

# Burlington-Graham Urban Area Transportation Advisory Committee

**Tuesday, January 21, 2020 5PM**  
(Meal provided for TAC members)

**Municipal Conference Room  
425 South Lexington Avenue  
Burlington, NC**

## **AGENDA**

**1) Call to Order & Quorum Chairman**

- Welcome and Introductions – Elon TAC Appointee, Mr. Monti Allison
- Changes to Agenda / Add On Items
- Speakers from the Floor – 3 minutes per speaker
- NC Ethics Statement for TAC members

**2) Approval of Minutes from October 20, 2019 TAC Meeting Chairman**

**3) Election of TAC Officers for 2020 Wannetta Mallette**

**INFORMATION:** Per the BGMPO bylaws the TAC shall elect a Chair and Vice Chair annually beginning each calendar year. All voting members of the TAC are eligible to hold an elected office for a one-year term.

**RECOMMENDATION/ACTION:** 1) Elect new Chair and Vice-Chair

**4) Approval of 2020 TAC Meeting Calendar Wannetta Mallette**

**INFORMATION:** At the beginning of each calendar year, BGMPO staff presents a new meeting calendar for TAC approval. The TAC may confirm or modify the meeting calendar for the current calendar year. Once the meeting calendar is approved, every effort will be made to adhere to the dates. Occasionally, however, TAC meeting dates may change and interested parties will be notified in advance.

**RECOMMENDATION/ACTION:** 1) Receive information and discuss; 2) Approve 2020 TAC meeting calendar.

**5) NC 54 West Corridor Study Update Aaron Cain**

**INFORMATION:** The Burlington-Graham MPO (BGMPO), Durham-Chapel Hill-Carrboro MPO (DCHC MPO), Orange County, Triangle Area RPO (TARPO) and NCDOT have worked collaboratively to develop transportation improvement strategies in an effort to improve travel conditions along NC 54 from I-85 in Graham to Old Fayetteville Road in Carrboro. The NC 54 West Corridor Study conducted by VHB included evaluating multimodal alternatives and addressing congestion, safety, and access management issues. A copy of the full report is available online at [www.NC54West.com](http://www.NC54West.com). The primary recommendations of the study were transit improvements and the widening of NC 54 from NC 119 to Old Fayetteville Street to a four-lane divided facility including bike and ped sidepaths. The study also recommends installing several roundabouts along the corridor to improve traffic flow and safety at major intersections. The final recommendations serve to identify projects for consideration in the SPOT process.

The Graham City Council adopted the NC54 West Corridor Phase I Study, November 2018. The Carrboro Board of Aldermen adopted a resolution opposing the recommendation to widen NC 54. The Chapel Hill Town Council expressed interest in transit improvements and timing any future widening to address congestion issues. TARPO will continue to work with local jurisdictions to address their unique priorities. The Orange County Board of Commissioners and DCHC MPO approved receiving the study and proceeding with safety improvements along the corridor and to work with local jurisdictions to identify future roadway improvements.

**RECOMMENDATION/ACTION:** 1) Receive information and discuss; 2) Receive the NC 54 West Corridor Study; 3) Direct MPO staff to work with local staff from the City of Graham, Orange County, DCHC MPO and NCDOT to implement operational and safety improvements in the corridor.

**6) Greater Triangle Commuter Rail Project Katharine Eggleston, GoTriangle**

**INFORMATION:** The transit plans of Durham County and Wake County recommended commuter rail service between Durham and Garner in the existing railroad corridor owned by the North Carolina Railroad Company. The Greater Triangle Commuter Rail Study proposes extending service beyond Wake and Durham Counties to include Mebane to Selma. The recently-completed Greater Triangle Commuter Rail Major Investment Study (MIS) provides important information about potential commuter rail service and ridership. GoTriangle staff will present the current project phase of the Greater Triangle Commuter Rail project, including the project purpose, timelines, and deliverables.

**RECOMMENDATION/ACTION:** 1) Receive information and discuss

**7) FY 2021 BGMPO Unified Planning Work Program Wannetta Mallette**

**INFORMATION:** The BGMPO is federally required to prepare an annual Burlington-Graham Metropolitan Planning Area Unified Planning Work Program (UPWP) that identifies all major transportation planning and related activities within the BGMPO Study Area for the upcoming fiscal year (July 1, 2020 – June 30, 2021). While it is the mission of the BGMPO to complete work planned within a program year, task elements may span fiscal years and therefore are carried forward into subsequent work programs until completion. The FY 21 allocation of Federal PL funds estimated at \$213,179 is received through a PL104 planning grant from the Federal Highway Administration (FHWA) and \$20,000 in Section 5303 and \$120,000 in Section 5307 Transit Planning Funds from the Federal Transit Administration (FTA). As part of the UPWP, the Federal government requires MPO's to certify their transportation planning process on an annual basis.

The proposed schedule for UPWP development is as follows: draft FY21 UPWP is reviewed by the TCC and TAC. The TAC will be asked to release the work program for public comment on January 22, 2020 and to hold a public hearing and approve the program on March 17, 2020 pending public comments.

**RECOMMENDATION/ACTION:** 1) Receive the FY21 UPWP as information and discuss; 2) Recommend the TAC release draft UPWP for a 30-day public review period.

**8) BGMPO Performance Targets Wannetta Mallette**

**INFORMATION:** The MAP-21 and FAST Act final rule established the framework for States and MPOs to integrate performance measures and targets into their transportation planning processes. The BGMPO is required to set and show demonstrable progress towards meeting annual performance targets and reflect those targets in its TIP, MTP, and planning documents with transit agencies, NCDOT and other transportation planning partners. MPO's can agree to adopt NCDOT's targets or commit to developing its own quantifiable performance measures.

**RECOMMENDATION/ACTION:** 1) Receive information and discuss; 2) Recommend TAC annual endorsement of NCDOT's performance targets (for each of the five safety measures and pavement, bridge, and system performance) by resolution.

9) **BGMPO Metropolitan Transportation Plan (MTP) Update** **Lyuba Zuyeva, VHB**

At its October 16, 2019 meeting, the BGMPO TAC selected VHB to conduct the BGMPO 2045 Metropolitan Transportation Plan (MTP) update. The MTP is a comprehensive long range transportation plan for the BGMPO planning area. As per the terms of the contract, VHB is tasked with providing quarterly project updates and soliciting input from TAC members. VHB will present the results of the travel demand model runs and summary of the future transportation conditions analysis (Deficiency Analysis).

**RECOMMENDATION/ACTION:** 1) Receive information and discuss.

10) **BOT Board Member Update** **Mike Fox, BOT**

11) **NCDOT Division Engineer Report** **Michael Mills, Division 7**

12) **Other Business** **Wannetta Mallette**

- Reports and Questions from TAC Members
- **Next Meeting Scheduled February 18, 2020**

***ACCESS TO INFORMATION:***

***ALL MPO DOCUMENTS AND DATA CAN BE PROVIDED IN ALTERNATIVE FORMAT UPON REQUEST***  
***PLEASE CONTACT THE MPO OFFICE FOR ADDITIONAL ASSISTANCE AND INFORMATION***

***336-513-5418***

***ACCESO A INFORMACION***

***TODOS LOS DOCUMENTOS Y DATOS DE MPO SE PUEDEN PROPORCIONAR EN FORMATOS ALTERNOS A***  
***PETICION***

***POR FAVOR COMUNIQUESE CON LA OFICINA DE MPO PARA INFORMACION E ASISTENCIA ADICIONAL***  
***336-513-5418***

*It is the policy of the Burlington Graham Metropolitan Planning Organization to ensure that no person shall, on the ground of race, color, sex, age, national origin, or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity as provided by Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987, and any other related non-discrimination Civil Rights laws and authorities.*

## MINUTES

### BURLINGTON-GRAHAM URBAN AREA TRANSPORTATION ADVISORY COMMITTEE TUESDAY, OCTOBER 15, 2019 5PM

#### MEMBERS PRESENT

Leonard Williams, Gibsonville (Chair)  
Bob Ward, Burlington (Vice Chair)  
Lee Kimrey, Graham  
Jamezetta Bedford, Orange County  
Eddie Boswell, Alamance County  
Ken Jacobs, Whitsett  
Lee Lovette, Haw River  
Carissa Graves, Green Level  
Don Tichy, Village of Alamance

#### OTHERS PRESENT

Lyuba Zuyeva, VHB  
Scott Rhine, PART  
Nathan Page, Graham

#### BGMPO STAFF PRESENT

Wannetta Mallette  
Carley Maynard

#### NCDOT STAFF PRESENT

Mike Mills, NCDOT Division 7  
Tamara Njegovan, NCDOT Division 7

#### FHWA STAFF PRESENT

Joe Geigle

#### Call to Order

Chairman Leonard Williams called the October 15, 2019 TAC meeting to order at 5:16 p.m. and introduced all members and guests. Chairman Williams then presented the agenda for adoption. Ms. Wannetta Mallette requested item #5 be moved after Item #3 to accommodate Ms. Pamela Graham's schedule. The TAC unanimously approved the revised agenda. Chairman Williams asked speakers from the floor to limit comments to three minutes per speaker. No public comments were made.

Ms. Mallette read aloud the NC Ethics Statement for TAC members. There were no known conflicts of interest identified by TAC members.

#### Approval of Minutes from August 20, 2019 TAC Meeting

Chairman Williams requested a motion to approve the August 20, 2019 TAC meeting minutes. Ms. Jamezetta Bedford made a motion to approve the August 20, 2019 TAC meeting minutes. Mr. Eddie Boswell seconded the motion and all of TAC voted in approval.

### **Haggard Avenue Corridor Study Phase 1**

Ms. Graham explained that the Town of Elon requested \$40,000 in MPO PL planning funds to conduct the Haggard Avenue Corridor Study - Phase 1 and presented an overview of the project's purpose and need. The Haggard Avenue Corridor Study will be conducted in three phases. Phase 1 will extend from Williamson Avenue to York Road. Elon University recently acquired the old Elon Elementary School property and has plans to develop more student housing and classroom facilities. Elon University sees the need to manage future development along the Haggard Avenue Corridor to include the closure of the town-maintained portion of Haggard Avenue. The Town of Elon identified the Haggard Avenue Corridor as its highest ranking capital improvement project and has allocated the local match requirement of \$10,000. Ms. Mallette said that the federal portion was budgeted in the BGMPO 2019 - 2020 UPWP.

Ms. Carissa Graves made a motion to recommend the TAC approve the Town of Elon request for \$40,000 in MPO PL planning funds to conduct the Haggard Avenue Corridor Study - Phase 1. Mr. Donald Tichy seconded the motion and all of the TAC voted in approval.

### **Triangle Region Air Quality Conformity**

Ms. Mallette explained that the BGMPO is required to demonstrate air quality conformity in transportation plans including MTPs and TIPs. The BGMPO is one of four organizations that will need to adopt the Triangle Area Air Quality Conformity Determination Report (AQ CDR). During its August 20, 2019 meeting, the TAC approved release of the AQ CDR for public review. The public comment period ended September 21, 2019. No public comments were made. The TCC recommended the TAC adopt and approve the report by resolution.

Mr. Eddie Boswell made a motion that the TAC adopt and approve the Air Quality Conformity Determination Report by resolution. Mr. Lee Kimrey seconded the motion and all of TAC approved the motion.

### **BGMPO 2020 - 2029 MTIP**

Ms. Mallette presented the 2020 - 2029 Metropolitan Transportation Improvement Program (TIP). Ms. Mallette said the TIP is a subset of the State Transportation Improvement Program (STIP) and identifies state and federally funded transportation projects within the BGMPO Planning Organization (MPO) urban area. The STIP was adopted by the NCDOT Board of Transportation (BOT) September 5, 2019. The BGMPO released the draft TIP for a 30-day public comment period on September 13, 2019 and scheduled a public hearing during the October 15, 2019 TAC meeting. No public

comments were made. The TCC recommended TAC adoption pending public comments. Ms. Carissa Graves made a motion recommending approval and adoption of the BGMPO 2020 - 2029 TIP by resolution. Mr. Eddie Boswell seconded the motion and all of TAC approved the motion.

### **PTRM Socioeconomic Data Validation**

Mr. Scott Rhine said since the beginning of 2002, PART has served as a custodian of the Triad travel demand model. Mr. Rhine explained that the collection of socioeconomic data is a necessary step in the development of the MTP and other regional long-range transportation planning efforts. The first adoption of the regional travel demand model was in 2004. BGMPO validation and adoption of the 2017 Socioeconomic and Forecasted Data is needed as the data is used as input in the Piedmont Triad Regional Model (PTRM). Socioeconomic data collection and verification is a collaborative effort between the NCDOT, PART, and area MPOs and RPOs. The travel demand model converts this data into vehicle trips on a simulated transportation network and identified where improvements are needed. Mr. Rhine said the travel demand model can also be used to justify the project need for SPOT projects.

Ms. Graves made a motion to adopt and approve the PTRM 2017 Socioeconomic Base Year and Forecasted Data by resolution. Mr. Donald Tichy seconded the motion and all of TAC voted in approval.

### **BGMPO Metropolitan Transportation Plan (MTP) Update**

Ms. Lyuba Zuyeva presented a summary of the MetroQuest survey results and the potential pool of MTP transportation projects for evaluation. Ms. Zuyeva reiterated the importance of the travel demand model socioeconomic data validation and its relationship in the MTP project development. Ms. Zuyeva distributed a "Universe of Projects" list, consisting of unfunded projects from the CTP and MTP, and requested the TAC's review to identify duplications, corrections or deletions. Ms. Zuyeva presented a methodology options to assess future project selections. As VHB was also tasked with recommending whether the TAC should adopt NCDOT's for its own performance standards, she reviewed the minutes from the Association of Metropolitan Planning Organizations (AMPO) workgroup on developing performance measures. Ms. Zuyeva said that a majority of MPOs are supporting their statewide performance measures and a few have developed additional targets. VHB does not recommend the BGMPO develop its own targets as it would require additional funding and significant staff time.

Ms. Mallette added that the next Public Meeting was scheduled on January 14, 2020 at the Gibsonville Recreation Community Center from 5 PM - 7 PM. Ms. Zuyeva said the draft plan will be available for TAC review by the March 2020 meeting.

### **NCDOT BOT Update**

There was no NCDOT BOT update.

### **NCDOT Division Engineer Report**

Mr. Mills reported that due to NCDOT's project suspension, there have not been many changes in projects' statuses since the August update. Mr. Mills said a few project schedules were delayed by 2 - 3 years including the intersection improvements at S. Church Street @ Huffman Mill Road and NC 62 both with a let date of November 2023; and the widening of US 70 from Tarleton Ave to Fifth Street with a let date of June 2024. The all-way stop at Durham Street @ Elmira Streets was approved during the NCDOT BOT September meeting. The intersection improvement project at US 70 and University Drive has a let date of October 2020.

### **Other Business**

Ms. Mallette reminded TAC of the SPOT 6.0 project submission deadline of December 20, 2019. Ms. Mallette will host a SPOT 6.0 submission workshop on Friday, October 18, 2019 at 9:00 am in the Burlington Municipal Conference Room.

Chairman Williams mentioned the passing of a TAC former member from Whitsett, Mr. Andy Brown. Mr. Ken Jacobs paid tribute to Mr. Brown and shared that he was an active member of the Whitsett community since 1991 and was part of the first council when the town was formed. Mr. Jacobs said Mr. Brown enjoyed tinkering and repairing and he will be missed by many.

### **Adjournment**

Chair Williams requested a motion to adjourn the meeting. Mr. Tichy made the motion and Mr. Jacobs seconded. The TAC unanimously approved the motion and the meeting adjourned at 6:22 p.m. The next TAC meeting is scheduled on January 21, 2020.



## TRANSPORTATION ADVISORY COMMITTEE 2020 Meeting Calendar

The Transportation Advisory Committee (TAC) meetings are held in the City of Burlington Municipal Conference Room, 425 S. Lexington Avenue, Burlington, NC 27216. Meetings are typically held on the 3<sup>rd</sup> Tuesday of the meeting month beginning at 5:00 pm.

Any adjustments or cancellations of the scheduled meetings will be communicated to the TAC and the general public with advanced notification.

<b>2020 Meeting Dates</b>
January 21, 2020
February 18, 2020
March 17, 2020
May 19, 2020
August 18, 2020
October 20, 2020



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*Burlington-Graham  
Metropolitan Planning Organization  
March 2021*

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**UNIFIED PLANNING WORK PROGRAM**

**FISCAL YEAR JULY 1, 2020 – JUNE 30, 2021**

**ADOPTED \_\_\_\_\_**

**FUNDS FOR THIS PLANNING WORK PROGRAM PROVIDED BY**

**FEDERAL HIGHWAY ADMINISTRATION  
FEDERAL TRANSIT ADMINISTRATION  
NCDOT PUBLIC TRANSPORTATION DIVISION  
CITY OF BURLINGTON**

**RESOLUTION CERTIFYING THE BURLINGTON - GRAHAM METROPOLITAN PLANNING ORGANIZATION'S TRANSPORTATION PLANNING PROCESS FOR FY 2020-2021**

- WHEREAS, the Transportation Advisory Committee has found that the Metropolitan Planning Organization is conducting transportation planning in a continuous, cooperative, and comprehensive manner in accordance with 23 U.S.C. 134 and 49 U.S.C. 1607; and,
- WHEREAS, the Transportation Advisory Committee has found the transportation planning process to be in compliance with Sections 174 and 176 (c) and (d) of the Clean Air Act (42 U.S.C. 7504, 7506 (c) and (d)). (for nonattainment and maintenance areas only); and,
- WHEREAS, the Transportation Advisory Committee has found the transportation planning process to be in full compliance with Title VI of the Civil Rights Act of 1964 and the Title VI Assurance executed by each State under 23 U.S.C. 324 and 29 U.S.C. 794; and,
- WHEREAS, the Transportation Advisory Committee has considered how the transportation planning process will affect the involvement of Disadvantaged Business Enterprises in the FHWA and the FTA funded planning projects (Section 1003(b) of ISTEA of 1991 (Pub. L. 102-240), Sec. 105(f), Pub. L. 97-424, 96 Stat. 2100, 49 CFR part 23); and,
- WHEREAS, the Transportation Advisory Committee has considered how the transportation planning process will affect the elderly and the disabled per the provision of the Americans With Disabilities Act of 1990 (Pub. L. 101-336, 104 Stat. 327, as amended) and the U.S. DOT implementing regulations (49 CFR parts 27, 37, and 38); and,
- WHEREAS, the Metropolitan Transportation Plan has a planning horizon year of 2040, and meets all the requirements for an adequate Transportation Plan.

NOW THEREFORE, be it resolved that the Burlington - Graham Urban Area Transportation Advisory Committee certifies the transportation planning process for the Burlington – Graham Metropolitan Planning Organization on this the \_\_\_\_ day of March, 20 \_\_\_\_.

Date: \_\_\_\_\_

By: \_\_\_\_\_

TAC Chair

STATE of: North Carolina

COUNTY of: Alamance

I, \_\_\_\_\_, Notary Public of \_\_\_\_\_ County, North Carolina do hereby certify that \_\_\_\_\_ personally appeared before me on the \_\_\_\_ day of \_\_\_\_\_ to affix his signature to the foregoing document. Subscribed and sworn to me this \_\_\_\_ day of \_\_\_\_, 20 \_\_\_\_.

\_\_\_\_\_  
Notary Public

My commission expires:



Burlington Graham Urban Area  
 Unified Planning Work Program (UPWP)  
 Five Year Planning Calendar for Fiscal Years 2020 - 2025

Task	Major Work Task(s)/Products	Fiscal Years					Notes
		2020 2021	2021 2022	2022 2023	2023 2024	2024 2025	
<b>II-A</b>							
<b>Surveillance of Inventory Data and Travel Demand Model Inputs</b>							
	ADT Maps, Turning Movement Counts, Regional & State	•	•	•	•	•	Traffic Count Program Expansion, Ongoing
	Street System Changes	•	•	•	•	•	Ongoing
	Household Survey	•	•	•	•	•	As needed
	Freight Study/Planning	•	•	•	•	•	As needed
	Housing, Employment and Population Data Collection	•	•	•	•	•	On-going Data Collection
	Traffic Accidents	•	•	•	•	•	On-going Data Collection
	Transit System Data	•	•	•	•	•	On-going Data Collection
	D/U Population Changes	•	•	•	•	•	Census 2020 related
	Collection of Network Data and Mapping	•	•	•	•	•	MTP/MTIP/Street Inventory, ongoing
<b>II-B</b>							
<b>Planning Process</b>							
	CTP/MTP Plan Update	•	•	•	•	•	2045 Plan Completion/2050 Update Procurement/MTP Kickoff
	Collection of Base Year Data	•	•	•	•	•	MTP/CTP related
	Vision, Goals, Performance Measures	•	•	•	•	•	Ongoing
	Air Quality Conformity Analysis Determination Report	•	•	•	•	•	As needed
	Travel Model Update	•	•	•	•	•	Ongoing in coordination with PART
	Forecast Data	•	•	•	•	•	Ongoing in coordination with PART
	Housing, Employment, and Population Projections	•	•	•	•	•	Travel Demand Model/Community Viz Ongoing
	Plan, Map and Technical Report Amendments	•	•	•	•	•	Ongoing
	Air Quality Conformity Analysis and Coordination	•	•	•	•	•	Ongoing
	Performance Target Setting and Implementation	•	•	•	•	•	Ongoing
	MTP/CTP Plan Implementation	•	•	•	•	•	Ongoing
	Priorization, MTIP and STIP Development	•	•	•	•	•	Update as needed
	Public Involvement Plan Implementation	•	•	•	•	•	Ongoing
<b>III-A</b>							
<b>Planning Work Program</b>							
	Planning Work Program Development and Implementation	•	•	•	•	•	Ongoing/Update as needed
	Member Jurisdiction Coordination - Special Studies	•	•	•	•	•	Ongoing
	Metrics and Performance Measures	•	•	•	•	•	Ongoing
<b>III-B</b>							
<b>Transportation Improvement Program (TIP)</b>							
	STIP Process	•	•	•	•	•	Per NCDOT Schedule
	STIP Air Quality Conformity Analysis	•	•	•	•	•	Ongoing
	Bi-Annual Transportation Needs Report	•	•	•	•	•	Biannually
	SPOT Evaluation and Analysis	•	•	•	•	•	Ongoing
<b>III-C</b>							
<b>Civil Rights Compliance (Title VI) and Other Regulatory Requirements</b>							
	Title VI Compliance	•	•	•	•	•	Ongoing
	Environmental Justice	•	•	•	•	•	Ongoing
	Minority Business Enterprise Planning	•	•	•	•	•	Ongoing
	Planning for the Elderly	•	•	•	•	•	Ongoing
	Public Participation / Outreach	•	•	•	•	•	Ongoing
<b>III-D</b>							
<b>Incidental Planning and Project Development</b>							
	Small Transportation Planning and Engineering Studies and Projects	•	•	•	•	•	TCC/TAC approved projects
	Public Involvement and Engagement	•	•	•	•	•	Ongoing
	Regional/Statewide Planning Efforts	•	•	•	•	•	Ongoing
<b>III-E</b>							
<b>Management Operations and Program Support Administration</b>							
	Transportation Planning Grants/ Budget Administration	•	•	•	•	•	Quarterly
	TCC/TAC Meeting Administration and Coordination	•	•	•	•	•	Ongoing
	MPO Administration and Operations	•	•	•	•	•	Ongoing
	Unified Planning Work Program	•	•	•	•	•	Quarterly/Annually
	Professional Development/Training	•	•	•	•	•	Ongoing

### Overview

This document presents the FY 2020 - 2021 Unified Planning Work Program (UPWP) for the Burlington-Graham Metropolitan Planning Organization (BGMPO) study area. It delineates the activities to be accomplished during the period of July 1, 2020 through June 30, 2021, the funding requirements, and the work elements of the FY 2020 - 2021 UPWP.

### Proposed FY 2021 UPWP Activities and Emphasis Areas

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BGMPO activities and emphasis areas for the FY 2021 UPWP are summarized as follow:

- Development of Community-Viz transportation scenarios
- Continued NCDOT, Division and NCAMPO coordination
- Routine 3-C planning and UPWP updates
- Continued work activities associated with STI and development of the 2022-2031 TIP
- Coordination with NCDOT staff and stakeholders regarding Express Feasibility Design Projects
- Development of Transit Providers MOU
- Implementation of Fast Act Metropolitan Planning requirements
- Update and Monitoring of Title VI Program compliance
- Monitoring of MPO Performance Measure Targets and TAM Plans
- Continuation of routine planning - MTIP, UPWP, Data monitoring, GIS, Public Involvement, etc.
- Continuation of special and mandated projects/programs: Title VI, LEP, EJ, safety/freight, modeling,
- Development of two Special Studies
- Preparation of Base Year data collection/inventory and travel survey for the major model update
- Development of 2020 PTRM Household Travel Survey
- Regional and urban transit planning
- Development of Regional Traffic Count Program
- Other Comprehensive, Cooperative, and Continuing (3-C) initiatives eligible for Federal transportation funding

### Background

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The Burlington-Graham area was designated an “Urbanized Area” by the US Bureau of Census in 1974. As a result of this designation, the Burlington-Alamance area formed the BGMPO in 1975. MPOs represent areas greater than 50,000 in population, and North Carolina has 18 MPO’s throughout the State. With this new designation came the responsibility of adhering to federal continuing planning requirements. A revised Memorandum of Understanding was executed between the cities of Burlington, Graham, and Mebane, the Towns of Elon, Gibsonville, Whitsett, Green Level and Haw River, the Village of Alamance, Guilford County, Orange County and Alamance County; and the North Carolina Department of Transportation (NCDOT) in 2012. The memorandum delineated responsibilities in maintain and continuing planning process and established the City of Burlington as the Lead Planning Agency (LPA), a Technical Coordinating Committee (TCC) with the responsibility for general review, guidance, and coordination of the continuing planning process. A Transportation Advisory Committee (TAC), comprised of representatives of the elected policy boards in the urban area, was also established to assure coordination between the elected officials, policy boards and the transportation planning process.

The BGMPO is required by federal regulations to prepare an annual UPWP that details and guides the urban area transportation planning activities. Funding for the UPWP is provided on an annual basis by the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA). Essentially, the UPWP provides yearly funding allocations to support the ongoing transportation planning activities of the BGMPO. The UPWP must identify MPO planning tasks to be undertaken with the use of federal transportation funds, including highway and transit programs. The Unified Planning Work Program (UPWP) outlines transportation planning tasks to be conducted during the fiscal year. The UPWP sets the budget for these items and identifies the funding sources. MPO staff works cooperatively with NCDOT and consultants to implement and ensure completion

of the planning tasks identified in the UPWP. The categories for planning tasks in the UPWP are based on planning requirements contained in Federal legislation that authorizes transportation funding.

Tasks are identified by an alphanumeric task code and description. A complete narrative description for each task is more completely described below. The UPWP also contains project descriptions for special projects and Federal Transit Administration (FTA) projects. Special project descriptions are provided by the responsible agency. FTA planning project task descriptions, FTA Disadvantaged Businesses Contracting Opportunities forms, and FTA funding source tables are also included in this work program.

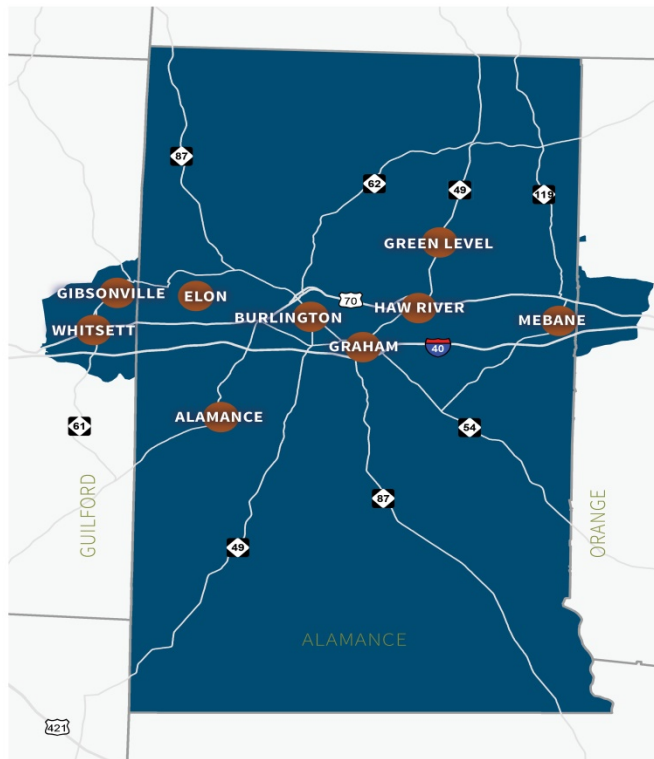
The funding source tables reflect available federal planning fund sources and the amounts of non-federal matching funds. The match is provided through either local or state funds or both. Section 104(f) funds are designated for MPO planning and are used by the LPA to support MPO planning functions. The LPA and MPO jurisdictions use these funds to support the MPO planning functions and regional special projects, such as the Regional Freight Plan, data collection geo-database update, regional model update and enhancement, travel behavior surveys and onboard transit survey, etc.

The sources of funds for transit planning are the Federal Transit Administration's (FTA) Section 5303 and 5307 grants. Transit agencies can also use portions of their Section 5307 capital and operating funds for planning. These funds must be approved by the MPO Board as part of the UPWP approval process.

### BGMPO Area Boundary

The current BGMPO study area (Figure 1) encompasses over 435 square miles and includes all of Alamance County and portions of Guilford and Orange counties. The City of Burlington is the major population and employment center in the region. Like many urban areas, rapid growth and development have contributed to ever-increasing needs in transportation. By federal definition, the MPO's planning area must at least include the urbanized area (as defined by the U.S. Census Bureau) and the contiguous area that may reasonably be expected to become urbanized in the next 20 years.

Figure 1



### Metropolitan Planning Factors and Federal and State Requirements

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Federal transportation regulations require MPOs to consider specific planning factors when developing transportation plans and programs in the metropolitan area. Current legislation calls for MPOs to conduct planning that:

1. Supports the economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
2. Increases the safety of the transportation system for motorized and non-motorized users;
3. Increases the security of the transportation system for motorized and non-motorized users;
4. Increases the accessibility and mobility of people and for freight;
5. Protects and enhances the environment, promote energy conservation, improve quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
6. Enhances the integration and connectivity of the transportation system, across and between modes, for people and freight;
7. Promotes efficient system management and operation;
8. Emphasizes the preservation of the existing transportation system.
9. Improves the resiliency and reliability of the transportation system and reduce or mitigate storm water impacts of surface transportation; and
10. Enhances travel and tourism.

### FAST Act Planning Factors

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FAST Act retains the previous eight factors that should be considered when developing plans and programs and adds three planning factors. The following outlines these eleven factors:

- Support economic vitality of the metropolitan area, especially by enabling global competitiveness, productivity, and efficiency;
- Increase the safety of the transportation system for motorized and non-motorized users;
- Increase the security of the transportation system for motorized and non-motorized users;
- Increase the accessibility and mobility of people and for freight;
- Protect and enhance the environment, promote energy conservation, improve the quality of life, and promote consistency between transportation improvements and State and local planned growth and economic development patterns;
- Enhance the integration and connectivity of the transportation system, across and between modes, for people and freight;
- Promote efficient system management and operation;
- Emphasize the preservation of the existing transportation system;
- Improve transportation system resiliency and reliability;
- Reduce (or mitigate) the storm water impacts of surface transportation; and
- Enhance travel and tourism. FAST Act Performance Management MAP-21 instituted Performance Management to provide greater accountability and transparency and help achieve the most efficient and effective investment of transportation resources.

The U.S. Secretary of Transportation, in consultation with stakeholders, is to establish performance measures to chart progress toward accomplishment of national goals established in MAP-21: safety, infrastructure condition, interstate system condition, congestion reduction, system reliability, freight movement and economic vitality, environmental sustainability, and reduced project delivery delays. Performance targets established by the State

and MPO will be based on national performance measures and will improve decision making through performance-based planning and programming. The FAST Act adjusts the timeframe for States and MPOs to make progress toward meeting their performance targets under the National Highway Performance Program and clarifies the significant progress timeline for the Highway Safety Improvement Program performance targets. The MPO believes in the proactive involvement of citizens, affected public agencies, representatives of transportation agency employees, private providers of transportation, and other interested parties in the development and updates of transportation plans and programs. The transportation planning activities outlined in this document are aligned with the FAST Act national goals.

### Comprehensive Transportation Plan (CTP)

Under State law (N.C.G.S. § 136-66.2), for municipalities and counties, or portions thereof, located within an MPO planning area, the development of a CTP shall be by the MPO in cooperation with the NCDOT. The CTP is not required to be fiscally constrained and no minimum horizon year or update timeframes are specified. The CTP is the element of the Metropolitan Transportation Plan (MTP) that identifies transportation needs before fiscal constraint is applied.

The BGMPO and NCDOT-TPD share the responsibility for access management and the planning, design and construction of the recommended projects. The BGMPO CTP will serve as an official guide to providing a well-coordinated, efficient, and economical transportation system for the future of the region. The BGMPO CTP will be utilized to ensure that planned transportation facilities reflect the needs of the public.

### Metropolitan Transportation Plan (MTP)

The MPO is responsible for developing a MTP for a minimum of 20-year time horizon in cooperation with the state, MPO member agencies and with local transit operators. Balancing technical analysis along with public input will be the core principle used to develop the BGMPO 2045 MTP. The MTP is produced through a planning process which involves the region's local governments, NCDOT and citizens of the region. Additionally, representatives from the offices of the U.S. Department of Transportation (USDOT) Federal Highway Administration (FHWA) and Federal Transit Administration (FTA), North Carolina Department of Environmental Quality (NCDEQ) and the U.S. Environmental Protection Agency (US EPA) provide guidance and participate in the planning process. The Metropolitan Transportation Plan (MTP) must include the following:

- Vision, Goals, and Objectives;
- Land use impacts;
- Identification and assessment of needs;
- Identification of transportation facilities (including major roadways, transit, multimodal and intermodal facilities and intermodal connectors) that function as an integrated metropolitan transportation system;
- A discussion of types of potential environmental mitigation activities and potential areas to carry out these activities;
- A financial plan that demonstrates how the adopted transportation plan can be implemented;
- Operations and management strategies to improve the performance of existing transportation facilities to relieve vehicular congestion and maximize the safety and mobility of people and goods;
- Capital investment and other strategies to preserve the existing and projected future metropolitan transportation infrastructure and provide for multimodal capacity increases based on regional priorities and needs; and
- Proposed transportation and transit enhancement activities.



### *Moving Toward Performance Based Planning*

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MAP-21 established transportation performance management that promotes performance-based planning practices and data-driven decision-making for both state DOTs and MPOs. Performance-based planning refers to the application of performance management – a “strategic approach that uses performance data to support decisions to help achieve desired performance outcomes.” The regulatory changes to the planning process are intended to improve transportation investment decision-making through increased transparency (through the requirement of performance targets) and accountability (via a requirement to report on progress toward meeting targets) and to support a core set of national goals. State DOTs and MPOs are free to adopt additional locally defined performance measures and targets through a coordinated process that also includes transit service providers. As part of the MTP update, BGMPO must evaluate the condition and performance of the transportation system, establish performance targets, and report on progress toward the achievement of these performance targets. The performance-based planning process should be carried forward through the project selection process and linked to the fiscally constrained Metropolitan Transportation Improvement Program (MTIP) developed at both the statewide and the metropolitan level.

Additional performance plans are now required under MAP-21 for the BGMPO include the:

- Metropolitan System Performance Report
- Transit Asset Management Plan
- Target Achievement
- Special Performance Rules – Special rules apply to the performance elements related to safety (high-risk rural roads and older drivers and pedestrians), Interstate Pavement Condition, and
- National Highway System Bridge Condition
- Performance Reporting – State DOTs and MPOs must report to USDOT on progress toward achieving targets and USDOT will assess such progress

State DOTs and MPOs are free to identify additional measures, but all statewide transportation plans and metropolitan transportation plans will need to address the MAP-21 measures and targets associated with those measures, at a minimum. Moreover, state DOTs, MPOs, and public transportation service providers are required to establish performance targets and to coordinate development of these targets to ensure consistency. The BGMPO is committed to making the transition to developing performance measures in its MTP 2045 update as final guidance becomes available from FHWA and NCDOT. The MPO will not be able to make any amendments to the MTP or MTIP after May 27, 2018 or until the MTP meets the FAST ACT requirements; administrative modifications are allowable.

### *Metropolitan Transportation Improvement Program (MTIP)*

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The BGMPO is responsible for developing a Metropolitan Transportation Improvement Program (MTIP) for a five-year time horizon in cooperation with the state, MPO member agencies and with local transit operators. The TIP is produced through a planning process which involves the region's local governments, the NCDOT and citizens of the metropolitan area. The MTIP must include the following:

- A list of proposed federally supported projects and strategies to be implemented during MTIP period;
- Proactive public involvement process;
- Descriptions of each project in the MTIP.

This task addresses periodic updates, reviews, amendments, and progress on the long-range planning process to foster livable and sustainable communities and transportation systems in the BGMPO area as required by FAST Act and the previous legislations.

## Air Quality Conformity Process

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Transportation-air quality conformity ("conformity") is a way to ensure that Federal funding and approval goes to transportation activities that are consistent with air quality goals. Conformity applies to Metropolitan Transportation Plans (MTPs) and Transportation Improvement Programs (TIPs) and to projects funded or approved by the Federal Highway Administration (FHWA) or the Federal Transit Administration (FTA) in areas that do not meet -- or have recently not met -- air quality standards for ozone, carbon monoxide, particulate matter, or nitrogen dioxide. These areas are known as "non-attainment areas" or "maintenance areas," respectively. A conformity determination demonstrates that the total emissions projected for a plan or program are within the emissions limits ("budgets") established by the State Implementation Plan (SIP) for air quality, and that transportation control measures – specific projects or programs enumerated in the SIP that are designed to improve air quality – are implemented in a timely fashion.

The BGMPO is required to demonstrate air quality conformity for the BGMPO's MTPs and TIPs. A portion of the Burlington – Graham MPO (BGMPO) that falls within the Triangle region boundary is currently designated as a "maintenance area" for the 8-hour ozone standard. The BGMPO will continue to implement activities, including air quality analysis and conformity determination in its MTP and MTIP. The BGMPO will work with the FHWA and NCDOT in making conformity determinations by performing systems level conformity analysis on the highway portion of the MTP.

## FY 2021 Emphasis Areas and Special Projects Descriptions

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Special emphasis projects and new initiatives for the FY2021 UPWP are described below:

### **Piedmont Triad Regional Model (PTRM) - Major Model Enhancement and 2020 Household Survey**

The purpose of these tasks are to continue to review and analyze existing travel demand and air quality models in order to determine feasible enhancements to the modeling procedures that are used in the PTRM study area. BGMPO will continue to assist in the development of the regional travel demand model. One of the customary first tasks will be to identify and select model enhancements for implementation based on the needs of the BGMPO member jurisdictions to include:

- Compiling useable data from the Piedmont Triad CommunityViz Model
- Performing periodic updates of the parcel level information such as new construction or demolition within the Piedmont Triad CommunityViz Model
- Track and document population estimates and projections from Office of State Budget and Management
- Utilize NCDOT road layers and HERE data to update attributes of highway line network
- Obtaining Phase III freight data such as truck count data and survey data for the calibration and validation of freight tour-based model
- Complete Household Travel Survey data collection for inclusion in Regional Travel Demand Model

Specific activities to develop model enhancements include: staff time preparing and evaluating technical proposals for model revisions and developing the model; negotiating the scope of enhancements with regional model partners; consultant assistance (Piedmont Authority for Regional Transportation (PART)) in preparing technical specifications and in developing the model; and research and peer contact aimed at assessing the technical merits and operational challenges of the various modeling strategies that will be under consideration.

### **Special Planning Studies**

The BGMPO annually designates a portion of planning funding for special studies. Special studies include staff time for project management activities to ensure consistency with FHWA, FTA and NCDOT procurement requirements and intergovernmental project coordination. At least two special studies are anticipated in FY 2020 – 2021.

### **Data Collection and Data Management**

The MPO is required by federal regulations and the 3-C process to perform continuous data monitoring and maintenance. The BGMPO re-evaluated its traffic count program in an effort to begin a comprehensive and systematic approach to data collection and management, to be consistent with statewide traffic data collection, and for use in the regional travel demand model. The BGMPO expanded its current traffic count program to better plan for future transportation needs by counting a majority of the intersections within the BGMPO three county planning areas.

The BGMPO, in cooperation with the City of Burlington, will use traffic cameras for (13-hour) full-turning movement counts and submit the data to a private contractor for analysis. All of the proposed count sites will be scheduled on a biennial schedule. The traffic count data will be part of the metrics used to measure performance targets under MAP-21 and included in our Piedmont Regional Travel Demand Model update, as well as to fill a jurisdiction's particular need. In addition to the regularly schedule traffic counts, numerous other special counts will be taken to support specific transportation planning projects, or at the request of local governments for various reasons. A number of transportation and traffic conditions will be continuously surveyed and compiled annually to feed into various MPO technical analyses such as modeling, Metropolitan Transportation Plan update, project development, Title VI planning, EJ/LEP demographic profiles, TIP, project prioritization, etc.

### **Title VI Planning**

The purpose of this work task is to ensure that no person will, on the grounds of race, color, national origin, income, gender, age, and disability, as provided by Title VI of the Civil Rights Act of 1964 and the Civil Rights Restoration Act of 1987 (PL 100.259), be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity administered by the BGMPO. The BGMPO will update its Title VI and Limited English Proficiency (LEP) Program Plans to ensure consistency with current guidelines and continue to monitor the Title VI program and implement Title VI Assurance.

### **Safety and Security Planning**

The purpose of this task is to reduce the human and economic toll on the region's multi-modal transportation system due to traffic crashes through collaboration and supporting NCDOT's Vision Zero initiative including engineering, enforcement, education and emergency response to meet newly enacted safety performance measures. BGMPO will continue to analyze safety data and collaborate with NCDOT and regional safety stakeholders to monitor safety programs and continually revise and refine the planning process.

### **Land Use, Socio-Economic, Environmental**

The purpose of this task is to collect, maintain and analyze regional land use, socio-economic and environmental data that will be used in regional demographic forecasting, transportation planning, land use planning, air quality planning, emergency planning, Title VI and economic development efforts. BGMPO will continue to participate, provide input to member jurisdictions and agencies in the development of local comprehensive plans, and provide guidance to NCDOT Project Development and NEPA on land use and zoning issues affecting the project development and process.

- Track changes to travel demand model input data
- Coordination with member jurisdictions for parcel tagging/ changed data inputs into the working model
- Coordination with the integration of the Piedmont Triad CommunityViz Model for updating SE data and forecasts used by the travel demand model
- Review and update SE data with the Piedmont Triad CommunityViz and other data from different sources

FY 2021 UPWP Funding Source

FY 2021 UPWP funding levels as well as the descriptions of funding sources is summarized below:

**Planning (PL) Section 104(f)** – These funds are Federal Highway Administration (FHWA) funds for urbanized areas, administered by NCDOT, and require a 20% local match. The PL funding apportionment to the state is distributed to the MPOs through a population-based formula. The proposed Section 104(f) funding level is based on the FAST-ACT Section 104(f) allocation. The statewide section 104(f) funds are distributed among all MPOs based on a formula. The BGMPO PL fund allocation for FY2021 is below.

PL Section 104(f) Funds (80%) \$213,179  
 Local match (20%) \$53,295  
**Total \$266,473**

**FTA Funds** - Two types of funds are used for transit planning purposes by the BGMPO; Section 5303 and Section 5307 funds administered through the Federal Transit Administration (FTA) and the NCDOT Public Transit Division. The BGMPO is served by four regional and one fixed route transit systems: Orange County Public Transportation (OPT)

serves all of Orange County and parts of Alamance County. Go Triangle operates a regional bus service connecting Durham to Raleigh, Chapel Hill, Apex, Hillsborough, and Wake Forest. The Alamance County Transportation Authority serves the transportation needs of the elderly, disabled, and general public in Alamance County. The Authority utilizes vans and buses which are ADA equipped, including wheelchair lifts, to assist persons with specialized needs. The Piedmont Authority for Regional Transportation (PART) Alamance Burlington Express connects Greensboro, Burlington, Graham, Mebane, and Chapel Hill and the Burlington Link Transit serves Burlington, Gibsonville, and Alamance Community College.

**Section 5303** funds are grant monies from FTA that provide assistance to urbanized areas for transit planning. The funds are for planning and technical studies related to urban public transportation. They are provided from the FTA through the NCDOT-PTD to the MPO (80% from FTA, 10% from NCDOT-PTD, and 10% local match).

**5303 BGMPO Total**  
**Federal (80%)** \$20,000  
**State (10%)** \$2,500  
**Local (10%)** \$2,500  
**Total Sect. 5303** \$25,000

**Section 5307** funds can be used for transit planning as well as other related purposes, and are distributed by formula by FTA. Transit providers are eligible to use Section 5307 funds from the FTA for assistance on a wide range of planning activities. These planning funds require a 20% local match.

**5307 BGMPO Total**  
**Federal (80%)** \$120,000  
**Local (20%)** \$30,000  
**Total Sect. 5307** \$150,000

Public Involvement and Title VI

Federal legislation requires MPOs to include provisions in the planning process to ensure the involvement of the public in the development of transportation plans and programs including the MTP, the short-term MTIP, and the annual UPWP. Emphasis is placed on broadening participation in transportation planning to include key stakeholders who have not traditionally been involved, including the business community, members of the public,

community groups, and other governmental agencies. Effective public involvement will result in opportunities for the public to participate in the planning process.

Public input into this document was achieved in accordance with the adopted Public Participation Plan of the BGMPO. TCC and TAC members were requested to provide project submittals for consideration of PL, 5307 and 5303 funding. The draft document was also published on the BGMPO website at <http://www.bgmpo.org>. The availability of the document was noted in the legal advertisement section posted in the local paper.

### Certification of MPO Transportation Planning Process

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As part of the annual UPWP adoption process, the BGMPO Technical Advisory Committee is required to approve the FY2020 – 2021 BGMPO UPWP and to certify that it adheres to the 3-C transportation planning process. The resolutions adopting the UPWP and certifying the transportation planning process is included as part of this work program.

Anticipated DBE Contracting Opportunities for FY 2020 – 2021

The BGMPO is anticipating two contracting opportunities for Disadvantaged Business Enterprises (DBEs) for FY 2020 -2021. It is the policy of the BGMPO to ensure that DBEs as defined in 49 CFR Part 26 have an equal opportunity to receive and participate in federally-assisted contracts. Implementation of the DBE program is in compliance with all other legal obligations incurred by the BGMPO in its financial assistance agreements with the Department of Transportation. Contracting opportunities will be distributed to DBE and non-DBE business communities that perform work for the BGMPO on federally assisted contracts. The dissemination will be accomplished by posting a link on the BGMPO website and through targeted bid solicitations.

BGMPO Administration and Management

UPWP Work Items

**II-A Data and Planning Support**

**Objective: To monitor travel and development patterns in order to determine growth areas and identify potential transportation/congestion management issues and intermodal linkages.**

**Programmed Amount: \$93,500**

**35.09% Staff Budget**

- II-A-1 (Traffic Volume Counts) Traffic data is needed for continuous and on-going MPO planning activities. The MPO will expand its annual intersection counts for maintenance and monitoring of the computerized signal system to include all of the BGMPO planning area using consultant services and equipment. Traffic count data analysis will be made available to PART, the NCDOT TPD Coordinator and member jurisdictions upon request. Counts will include intersection turning movement and ADT counts as needed.
- II-A-1 (Street System Change) As development continues and area boundaries modify the MPO will evaluate the street network for changes or revisions to the CTP and/or MPO planning activities. This evaluation will include maintenance and inventory of the signals and design of the street system. Review construction project schedules for completion dates and upcoming system changes. Also coordinate with NCDOT for Functional Class revisions.
- II-A-1 (Traffic Accidents) Monitor data / provide to TCC and public. Use NCDOT Crash Data as needed for planning studies and local area high accident location.
- II-A-1 (Transit System Data) Short-range and mid-range transit planning efforts will be conducted by the MPO in cooperation with regional transit providers Piedmont Authority for Regional Transportation and Triangle Transit. Data will continue to be collected to inform various transit planning efforts in the region, including the Metropolitan Transportation Plan, Transit Maintenance Plans, and local implementation planning efforts. This could include the evaluation of transit service performance, development of cross-regional route(s), universities/college route(s) and urban service routes that extend beyond the boundaries of the general BGMPO area. Transit partners/operators will identify strengths and weaknesses of service by route in order to assess service barriers and future options. Information will be used to monitor service and meet NCDOT and FTA reporting requirements. The MPO will continue to assist and support the transit planning and administration of the Link fixed route system.
- II-A-1 (Mapping) The MPO and Burlington GIS work together to create and maintain GIS mapping of MAB, UAB, TAZ and Census data maps for the MPO. Mapping for the Triad Regional Model and TIP project mapping will be developed. CTP mapping will also be updated. Annual and on-going task.

## BGMPO Unified Planning Work Program

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- II-A-1 (Bicycle & Pedestrian Inventory) Assist with local bike and pedestrian improvement projects. Identify grant programs for MPO members to participate/apply.
- II-A-2 Travelers and Behavior
- Objective: To improve the quality of transportation plans and other planning endeavors in the BGMPO planning area through ongoing collection and maintenance of data related to existing and proposed land uses and evolving socioeconomic conditions affecting transportation planning.
- II-A-2 (DU/Population & Employment Changes) If Needed - Review land use and zoning petitions as requested. Coordinate with the US Census Bureau, as well as other agencies to review, analyze confirm, and distribute information collected from the census data as it is available needed for transportation planning efforts. Annual maintenance from building permit data and annexation. Monitor for any revisions to land use or travel models in the MPO area.
- II-A-2 (Collection of Base Year Data) Monitor changes that are related to planning tasks within the MPO planning boundary. Compare existing characteristics with projections to anticipate planning needs and activities. Continue to build and maintain a data repository of information to support local and regional transportation efforts. This task is also supported by the Piedmont Triad Regional Travel Model process via the Piedmont Authority for Regional Transportation (PART). Building permits and annexation information is updated and sent to PART for model update. Evaluate by TAZ if needed to determine population, housing density, employment, etc. CTP update will be updated with new data.
- II-A-2 (Travel Surveys) Household Survey update and previous data from the Piedmont Travel Survey will be used. This task is conducted by PART in cooperation with the Triad MPO's. Provides origin and destination data and what other modes of travel are used (if any).
- II-A-2 (Collection of Network Data) The MPO will monitor roadway corridors and intersection improvements not included in base travel demand model network. Activities related to the MTP Update completed in prior work plan. CTP update will required network data.
- II-A-2 (Travel Time Studies) This task also is shared with PART and Triad MPO's. Provides origin and destination data and what other modes of travel are used (if any).
- II-A-2 (Capacity Deficiency Analysis) Work with traffic forecast and current traffic counts to evaluate LOS and V/C ratios for local roadways. This data will assist in the prioritization of transportation improvements in the area, and will be used to develop problem statements for priority projects. Use of Triad Model with this task.
- II-A-3 Transportation Modeling
- Objective: To assist in maintaining the Piedmont Triad Regional Model (PTRM) for the BGMPO planning area that provides capacity to perform simulations and scenario planning on a continuing basis for examining localized modeling for traffic activity within the BGMPO planning area.
- II-A-3 (Travel Model Update) The MPO will continue to coordinate with the NCDOT, PART and local MPO's to enhance and develop the regional travel model. The transportation model, including assisting in assessment of quality of transportation modeling databases and planning tasks to be completed for the Long Range Transportation Plan update. The MPO will utilize the updated regional model in cooperation with all model team members. Continuous Work with the PTRM team, PART and TPB to meet the needs of the Triad Regional Model. Provide staff support and financial resources for model maintenance. Monitor model coding and network for updates. Consultants may be contracted to provide additional model support during the year. This task is shared by all Triad MPO's and PART staff.



II-A-3 (Forecast of Future Travel Patterns) Review TIA documents for development and create travel pattern assumptions based on growth and development of urban area. Testing of alternative/future travel patterns is also an element in the Regional Model and CTP Update task.

II-A-3 (Financial Planning) Update and adjust cost estimates on local projects as needed. The MPO will develop realistic, best estimates of funding sources available and project cost estimates throughout

the forecast years for the next MTP/CTP and other pertinent planning efforts. Evaluate and discuss alternative project financing for local and state projects. Monitor and adjust cost estimates prepared for MTP Horizon Year tables.

**II-B Planning Process**

**Objective: To plan for efficient movement of people and goods through linkages between modes of transportation by updating both the MTP and CTP; to examine transportation system deficiencies and determine areas of congestion (incident and recurring) throughout the urban area, which may be reduced by congestion management techniques and strategies, making more efficient use of the existing transportation system including times of emergencies to include improvements in the City of Burlington signal system.**

**Programmed Amount: \$65,000**

**24.39% Staff Budget**

II-B-1 (Air Quality Planning / Conformity Analysis) Monitor regulatory agencies and review proposed standards - in combination with the Triad and Triangle Modeling effort. The MPO staff also monitored state and federal air quality regulations and their relationship to the Travel Demand Model process. Participation on the Triad Interagency Coordination Team and consultation process.

II-B-1 (Freight Movement / Mobility) Regional Freight Study Phase III that the MPO will use to better integrate freight and goods movement into the regional transportation planning process. Freight policies, strategies, and projects specific to BGMPO region identified in the study will be incorporated into the next update of the MTP and MTIP. Freight deficiencies and improvement strategies will be developed. This work is also associated with the Model Development work task.

**II-B-2 Regional Planning**

**Objective: To increase public awareness and implement the shared vision of the BGMPO planning area in 2045, particularly focused on enhancement of identified multimodal corridors and systems.**

II-B-2 (Community Goals & Objectives) - Conduct open TCC and TAC meetings to allow public input and community involvement. The MPO will work with member agencies and the public to gather community input on the region's transportation goals and objectives for all modes.

II-B-2 (Highway Element of the MTP) - Continue update of traffic data for MTP/CTP and Travel Model. Incorporate the Comprehensive Transportation Plan mapping and descriptions.

II-B-2 (Transit Element of the MTP) - Collect, analyze and store data necessary for conducting a viable transit planning process. Coordinate local and regional transit planning activities, and encourage citizen knowledge and awareness of public and private transit services.

II-B-2 (Bike & Ped Element of the MTP) - Work with MPO partners to update Bike & Pedestrian Maps as needed. Work with MPO partners to consider local bike and pedestrian plans for future adoption. CTP element will be updated.



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## BGMPO Unified Planning Work Program

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### II-B-3 Special Studies

**Objective:** To examine specific projects involving multimodal issues and linkages with land use, as well as factors that affect future growth patterns, economic development, community design, and impacts on the transportation systems (special area plans, traffic impact studies, corridor studies, CTPs, etc).

II-B-3 The MPO will use its transportation planning consultants to assist the MPO staff with planning tasks on an as-needed basis. (Ongoing throughout Fiscal Year). TCC will identify functional design and corridor studies to conduct via a consultant. New studies/plans for FY2021 will be selected by TAC during the year.

### III-A Planning Work Program

**Objective:** **To maintain the current UPWP and develop a Unified Planning Work Program for the 2020-21 fiscal year.**

**Programmed Amount: \$14,000**

**5.25% Staff Budget**

III-A-1 (Planning Work Program) Monthly and quarterly reporting systems for the City of Burlington as LPA and NCDOT. MPO staff will continue to evaluate, administer, and amend the FY 2021-20 UPWP as necessary, and will develop quarterly reports to NCDOT for reimbursement of planning funds. Develop DRAFT UPWP. Present to TCC and TAC for review and adoption. Process UPWP amendments and prepare resolutions as needed.

### III-B Transportation Improvement Program

**Objective:** **To maintain the Transportation Improvement Program (TIP) through appropriate revisions as needed through the Strategic Prioritization Process; to develop the Metropolitan Transportation Improvement Program (MTIP) with a comprehensive update for adaption every five years.**

**Programmed Amount: \$17,000**

**6.38% Staff Budget**

III-B-1 (Prioritization/Transportation Improvement Program) Continue to refine the previous year TIP based on NCDOT program changes, satisfying FAST requirements (SPOT, STI, etc.). Prepare and process changes or amendments necessary. Develop the annual unfunded projects list and collect data and mapping for SPOT online submittals. Staff will participate as necessary in workshops, training, and meetings regarding the NCDOT prioritization process (Ongoing throughout fiscal year) Monitor MTIP and CTP and present new TIP when released from NCDOT.

### III-C Civil Rights Compliance / Other Regulations

**Objective:** **To continue active citizen education, participation and underrepresented populations involvement in all aspects of the BGMPO planning process.**

**Programmed Amount: \$10,000**

**3.75% Staff Budget**

III-C-1 (Civil Rights Compliance) (Title VI) The MPO will annually adopt certifications and assurances to conform to the state and federal Title VI regulations. The MPO complaint process and the access to information will be monitored for update. MPO staff will work with NCDOT's Office of Civil Rights and Business Opportunity and Workforce Development Office (BOWD) and all member governments to ensure that MPO projects and programs meet the intent of all applicable Title VI legislation. This work task also associated with Community Goals and Objectives.

III-C-2 (Environmental Justice) Review and monitor public participation process for environmental justice populations. Evaluate Public Participation Plan for updates or improvements. Public Participation Plan and Title VI policies updated in previous year. Continue distribution of meeting notifications and MPO programs via local media and agencies.

III-C-3 (Minority Business / MBE) If Needed – existing city policy and MPO actions encourage minority and DBE involvement with MPO programs.

III-C-6 (Public Involvement) The MPO will provide requested information to the public, government agencies and elected officials; increase public awareness of the MPO and its role; increase the opportunities for public involvement. To increase public participation in the metropolitan transportation planning process and 2045 MTP update, especially from those segments of the population that are considered to be traditionally underserved. Through a comprehensive public outreach program, local residents are encouraged to participate in the process by learning more about planning and providing feedback. A diverse set of activities for outreach and communication to local citizens; web site, project development, media relations, education, etc. Each TCC and TAC meeting provide for public comment at the beginning of the meeting agenda. Agendas and other MPO materials are/being translated to Spanish versions.

**III-D Statewide and Extra-Regional Planning**

**Objective:** To assist with statewide and regional transportation and related planning efforts. To foster better coordination of planning efforts across jurisdictional boundaries, promote better informed decision-making by staff and policy makers, and better-informed citizens. To support implementation of the current BGMPO Long Range Metropolitan Transportation Plan by encouraging growth patterns and community design to lessen adverse impacts of growth on the state and regional transportation system.

**Programmed Amount: \$5,500**

**2.06% Staff Budget**

III-D-1 (Regional & Statewide Studies) Provide guidance and expertise on the variables and characteristics that contribute toward enhancing the experience of people using various transportation modes, and embracing the concept of moving people, not just highway. (Ongoing) Coordination with Triad and Triangle MPO's on various transportation planning programs/air quality and TIP planning. Off model tasks needed for the Regional Travel Model maintenance.

**III-E Management Operations / Program Support Admin.**

**Objective:** To effectively and efficiently administer and manage initiatives of the MPO TCC and TAC and their various advisory committees and subcommittees; to ensure compliance with federal and state requirements; coordination of MPO activities; with those of all local and state agencies/governments; documentation of MPO activities and to ensure staff has adequate training and resources to conduct these activities.

**Programmed Amount: \$61,473**

**23.07% Staff Budget**

III-E (Incidental Planning & Project Development / Operations)  
 Complete activities that guide and effectively manage the tasks in the Unified Planning Work Program (UPWP), to maintain an effective and efficient continuing, cooperative and comprehensive (3-C) transportation planning process, and to meet the needs of the member local governments and all federal and state requirements. Maintain MPO operations for all member jurisdictions. Serve as resource agency for transportation planning technical assistance. Monitor of state and federal transportation legislation, prepare grant applications for members, and make MPO planning presentations to local agencies. Transit planning tasks continue to increase and the MPO will be the lead agency for urban transit planning activities in the area. Additional staff time and expertise will be necessary as transit activities increase. Attend meetings and provide technical review for transportation planning items. Plan and conduct all TCC and TAC meetings, staff development and training and acquire necessary tools and certifications for the LPA to provide the continuous transportation planning process.

This task includes the hiring of a full-time planner to provide professional and technical services in support and maintenance of the Geographic Information System (GIS) data layers; completing transportation planning work elements; and, maintaining MPO GIS data such as shapefiles, geodatabases developed as a result of the MTP 2045 update.

### (Travel)

NCDOT has implemented a pre-approval procedure to review the eligibility for all training and overnight trips for Federal funds prior to the trips being taken unless included in the UPWP. If not included, this will include sending the Travel Eligibility Verification form to the TPD staff prior to training or overnight travel to ensure eligibility for transportation planning purposes. The BGMPO anticipates attending the following events, meetings, conferences and training this fiscal year in addition to those that are reasonable and necessary for the normal course of business:

- NCAMPO (conference and all other meetings/events)
- AMPO (conference and all other meetings/events)
- TRB (conference and all other meetings/events)
- AASHTO (conference and all other meetings/events)
- NHI (conference and all other meetings/events)
- NTI (conference and all other meetings/events)
- APA (conference and other meetings/events related to transportation/land use/  
tech skills/law/ethics)
- APA-NC (conference and other meetings/events related to transportation/land use/  
technical skills/law/ethics)  
Alamance Community College (continuing education/professional certification classes)
- USDOT (conference and all other meetings/events)
- NCSU – ITRE (training and all other meetings/events)
- ESRI (conference and other meetings/events related to transportation/land use/  
tech skills/law/ethics)
- Caliper (conferences and other meetings/events related to transportation/land use/tech  
skills)
- NCDOT (meetings/classes/summits/workshops/workgroups/public meetings/steering  
committees, etc.)
- MPO/RPO (regional or division wide meetings)
- Member jurisdictions (transportation related public meeting, workshops, events, steering  
committees, etc.)

## Anticipated DBE Contracting Opportunities for FY 2020 - 2021

Name of MPO: Burlington - Graham

Person Completing Form: Wannetta Mallette, MPO Administrator

Telephone Number: 336-513-5418

<b>Prospectus Task Code</b>	<b>Prospectus Description</b>	<b>Name of Agency Contracting Out</b>	<b>Type of Contracting Opportunity</b>	<b>Federal Funds to be Contracted Out (Estimated)</b>	<b>Total Funds to be Contracted Out</b>
II-A-1	Regional Traffic Count Program	BGMPO	Consultant	\$48,000	\$60,000
II-B-3	Special Studies				
	Mebane Park and Ride Relocation Study	GoTriangle	Consultant	\$40,000	\$50,000

# Burlington Graham Metropolitan Planning Organization UNIFIED PLANNING WORK PROGRAM (UPWP) - FY19

July 1, 2019 to June 30, 2020

## Introduction

The Unified Planning Work Program (UPWP) outlines transportation planning tasks to be conducted during the fiscal year. The UPWP sets the budget for these items and identifies the funding sources. MPO staff is responsible for ensuring completion of the planning tasks identified in the UPWP. The MPO Staff and the North Carolina Department of Transportation are the responsible agencies for many of the tasks in the UPWP. Some planning tasks are carried out by outside consultants.

The categories for planning tasks in the UPWP are based on planning requirements contained in Federal legislation that authorizes transportation funding.

## Funding Summary FY 2020-2021 (PL104)

Federal Highway Administration - 80%		\$ 213,179
	<b>Total PL Funds</b>	<b>\$ 213,179</b>
Local Match - 20%		\$ 53,295
	<b>Total</b>	<b>\$ 266,473</b>

## Program Summary for MPO Planning and Administration (PL Funds)

II-A Data and Planning Support	\$ 93,500	35.09%
II-B Planning Process	\$ 65,000	24.39%
III-A Planning Work Program	\$ 14,000	5.25%
III-B Transp. Improvement Plan	\$ 17,000	6.38%
III-C Cvl Rgts. Cmp./Otr .Reg. Reqs.	\$ 10,000	3.75%
III-D Statewide and Extra- Regional Planning	\$ 5,500	2.06%
III-E Management Ops, Program Support Admin	\$ 61,473	23.07%
<b>TOTAL PL104</b>	<b>\$ 266,473</b>	<b>100.00%</b>

FTA CODE	TASK CODE	TASK DESCRIPTION	Percentages of Respective Shares		MPO Planning and Admin - PL		
			Local	Federal	Highway / Transit		TOTAL
					Local min. 20%	Federal max. 80%	
	<b>II-A</b>	<b>Data and Planning Support</b>	<b>35.09%</b>	<b>35.09%</b>	<b>\$ 18,700</b>	<b>\$ 74,800</b>	<b>\$ 93,500</b>
44.24.00	II-A-1	Networks and Support Systems	30.02%	30.02%	\$ 16,000	\$ 64,000	\$ 80,000
44.23.01	II-A-2	Travelers and Behaviour	2.25%	2.25%	\$ 1,200	\$ 4,800	\$ 6,000
44.23.02	II-A-3	Transportation Modeling	2.81%	2.81%	\$ 1,500	\$ 6,000	\$ 7,500
	<b>II-B</b>	<b>Planning Process</b>	<b>24.39%</b>	<b>24.39%</b>	<b>\$ 13,000</b>	<b>\$ 52,000</b>	<b>\$ 65,000</b>
44.23.02	II-B-1	Targeted Planning	2.81%	2.81%	\$ 1,500	\$ 6,000	\$ 7,500
44.23.01	II-B-2	Regional Planning	2.81%	2.81%	\$ 1,500	\$ 6,000	\$ 7,500
44.27.00	II-B-3	Special Studies	18.76%	18.76%	\$ 10,000	\$ 40,000	\$ 50,000
	<b>III-A</b>	<b>Planning Work Program</b>	<b>5.25%</b>	<b>5.25%</b>	<b>\$ 2,800</b>	<b>\$ 11,200</b>	<b>\$ 14,000</b>
44.21.00	III-A-1	Planning Work Program	1.88%	1.88%	\$ 1,000	\$ 4,000	\$ 5,000
44.24.00	III-A-2	Metrics and Performance Measures	3.38%	3.38%	\$ 1,800	\$ 7,200	\$ 9,000
	<b>III-B</b>	<b>Transp. Improvement Plan</b>	<b>6.38%</b>	<b>6.38%</b>	<b>\$ 3,400</b>	<b>\$ 13,600</b>	<b>\$ 17,000</b>
44.25.00	III-B-1	Prioritization	4.50%	4.50%	\$ 2,400	\$ 9,600	\$ 12,000
44.25.00	III-B-2	Metropolitan TIP	1.13%	1.13%	\$ 600	\$ 2,400	\$ 3,000
44.25.00	III-B-3	Merger/Project Development	0.75%	0.75%	\$ 400	\$ 1,600	\$ 2,000
	<b>III-C</b>	<b>Cvl Rgts. Cmp./Otr .Reg. Reqs.</b>	<b>3.75%</b>	<b>3.75%</b>	<b>\$ 2,000</b>	<b>\$ 8,000</b>	<b>\$ 10,000</b>
44.27.00	III-C-1	Title VI Compliance	0.56%	0.56%	\$ 300	\$ 1,200	\$ 1,500
44.27.00	III-C-2	Environmental Justice	0.56%	0.56%	\$ 300	\$ 1,200	\$ 1,500
44.27.00	III-C-3	Minority Business Enterprise Planning	0.56%	0.56%	\$ 300	\$ 1,200	\$ 1,500
44.27.00	III-C-4	Planning for • Elderly	0.56%	0.56%	\$ 300	\$ 1,200	\$ 1,500
44.27.00	III-C-6	Public Involvement	1.50%	1.50%	\$ 800	\$ 3,200	\$ 4,000
	<b>III-D</b>	<b>Statewide and Extra-Regional Planning</b>	<b>2.06%</b>	<b>2.06%</b>	<b>\$ 1,100</b>	<b>\$ 4,400</b>	<b>\$ 5,500</b>
44.27.00	III-D	Statewide and Extra-Regional Planning	2.06%	2.06%	\$ 1,100	\$ 4,400	\$ 5,500
	<b>III-E</b>	<b>Management Ops, Program Support Admin</b>	<b>23.07%</b>	<b>23.07%</b>	<b>\$ 12,295</b>	<b>\$ 49,178</b>	<b>\$ 61,473</b>
44.27.00	III-E	Management Ops, Program Support Admin	11.81%	11.81%	\$ 6,295	\$ 25,178	\$ 31,473
44.27.00		Program Support Administration	11.26%	11.26%	\$ 6,000	\$ 24,000	\$ 30,000
		<b>TOTALS</b>	<b>100.00%</b>	<b>100.00%</b>	<b>\$ 53,295</b>	<b>\$ 213,178</b>	<b>\$ 266,473</b>

**Jurisdiction****Match Contribution**

CITY OF BURLINGTON

\$53,295

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**Total****\$53,295**

FTA TASK NARRATIVE TABLE

1- MPO	Burlington Graham MPO
2- FTA Code	442400
3- Task Code	II-A-1
4- Title	Networks and Support Systems
5- Task Objective	The Transit System Data task will supply reliable information to analyze, evaluate, and forecast service delivery. The data are necessary to describe the current system and plan future needs for service.
6- Tangible Product Expected	Transit System Data for short-range and mid-range transit planning efforts will be conducted by the MPO in cooperation with regional transit providers. TAM plans will be monitored and data will continue to be collected to inform various transit planning efforts in the region, including the Metropolitan Transportation Plan, Transit Systems Plan, and local implementation planning efforts. This could include the evaluation of transit service performance, development of cross-regional route(s), universities/college route(s) and urban service routes that extend beyond the boundaries of the general BGMPO area; system evaluation and route enhancement, public education and outreach, and regional transit planning and coordination. Transit partners/operators will identify strengths and weaknesses of service by route in order to assess service barriers and future options. Information will be used to monitor service and meet NCDOT and FTA reporting requirements. The MPO will assist and support the transit planning and administration of the Link Transit fixed route system. Tangible work products include: RFP for Transit Center/ Admin Facility and RFP for Paratransit Service.
7- Expected Completion	Reports and analyses Ongoing
Date of Products	Database Maintenance Ongoing
	Route planning and analysis Ongoing
	NTD passenger miles report October 2020/ongoing
	Transit Staff and Operator meetings Every months
	Present data via maps and reports Ongoing
	(to include Ridership, Routes, & System Map)
8- Previous Work	The Link system began operations in June 2016. In FY 2018-2019, three new bus shelters were installed, and ridership grew over 5% from 2017. All bus stops, schedules, and routes will be under review and evaluation, and changes implemented as needed. The system will adjust and improve as operations continue into Year 3
9- Prior FTA Funds	Prior 5303 grant for transit planning
10- Relationship	The City of Burlington Department of Transportation will work together to integrate transit into other city services and policy operations.
11- Agency	City of Burlington Transportation Department and Information Technology Department will work together to maintain the data.
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PL Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	\$2,500.00
17- Section 5303 NCDOT 10%	\$2,500.00
18- Section 5303 FTA 80%	\$20,000.00
19- Section 5307 Transit - Local 10%	
20- Section 5307 Transit - NCDOT 10%	\$
21- Section 5307 Transit - FTA 80%	\$
22- Additional Funds - Local 100%	
	<b>Programmed Funds \$25000 100.00% of 5303 budget</b>
1- MPO	Burlington Graham MPO
2- FTA Code	442400
3- Task Code	III-E
4- Title	Program Support Administration
5- Task Objective	Transit Program Administration is ongoing using Section 5307 funds for assistance. These task will include all reporting and managerial responsibilities of the Transit Management/city staff support. Staff will prepare Link Transit data for federal, state, and local agencies. This task will also include annual oversight of any transit sub-recipients and sub-contractors.
6- Tangible Product Expected	Quarterly, yearly, and grant progress reports will be prepared for the FY 2020-
7- Expected Completion	5307 Program Quarterly Report Ongoing
Date of Products	Annual NTD Report October 2020 Ongoing
	NTD Safety and Security Report Monthly
	Op Stats Report Monthly
	FTA Milestone Quarterly Reports Quarterly
	Subcontractor Oversight Ongoing
	Link transit planning and route evaluation tasks on-going
	Public Transit Advisory Committee for Link agendas/reports monthly and quarterly
	Review / Monitor subs an contractors ongoing
8- Previous Work	Completing quarterly and annual reports; preparing Public Transit Advisory Committee monthly meeting materials and updates; coordination with transit operators, NCDOT, FTA and the public at large.
9- Prior FTA Funds	Section 5307 Planning task with the Link Transit System
10- Relationship	The Burlington Department of Transportation will coordinate other city, state, and federal transportation programs to monitor the Link system overall service.
11- Agency	City of Burlington Department of Transportation
12- HPR - Highway - NCDOT 20%	
13- HPR - Highway - F11WA 80%	
14- Section 104 (f) PL Local 20%	
15- Section 104 (f) P I FHWA 80%	
16- Section 5303 Local 10%	
17- Section 5303 NCDOT 10%	
18- Section 5303 FTA 80%	
19- Section 5307 Transit - Local 20%	\$30,000
20- Section 5307 Transit - NCDOT 0%	\$0
21- Section 5307 Transit - FTA 80%	\$120,000
22- Additional Funds - Local 100%	
	<b>Programmed 5303 Funds \$25000 100.00% of 5303 budget</b>
	<b>Programmed 5307 Funds \$150000 100.00% of 5307 budget</b>



**Burlington Graham MPO**  
**First Quarter Report, Fiscal Year 2020-2021**  
**July 1, 2020 - September 30, 2021**

**Detail of Expenditures**

TASK #	TASK	MPO Planning and Admin - PL104			Staff Salaries	Professional Services	Training, Advertising	Notes
		Local 20%	Federal (80%)	Total				
II-A-1	Networks and Support Systems • Traffic Volume Counts • Vehicle Miles of Travel (VMT) • Street System Changes • Traffic Crashes • Transit System Data • Air Travel, etc.	4,000	16,000	20,000				
II-A-2	Travelers and Behaviour • Dwelling Unit, Population and Employment Changes • Collection of Base Year Data • Travel Surveys • Vehicle Occupancy Rates (Counts) • Travel Time Studies	300	1,200	1,500				
II-A-3	Transportation Modeling • Travel Model Update • Forecast of Data to Horizon Year • Forecast of Future Travel Patterns • Financial Planning	375	1,500	1,875				
II-B-1	Targeted Planning • Air Quality Planning/Conformity Analysis • Alternative Fuels/Vehicles • Hazard Mitigation and Disaster Planning • Congestion Management Strategies • Freight Movement/Mobility Planning	375	1,500	1,875				
II-B-2	Regional Planning • Community Goals and Objectives • Highway Element of the CTP/MTP • Transit Element of the CTP/MTP • Bicycle and Pedestrian Element of CTP/MTP • Airport/Air Travel Element of CTP/MTP • Collector Street Element of CTP/MTP • Rail, Waterway, or other Mode of the CTP/MTP	375	1,500	1,875				
II-B-3	Special Studies Mebane Park and Ride Relocation Study	-	-	-				
III-A-1	Planning Work Program	250	1,000	1,250				
III-A-2	Metrics and Performance Measures	450	1,800	2,250				
III-B-1	Prioritization	800	3,200	4,000				
III-B-2	Metropolitan TIP	150	600	750				
III-B-3	Merger/Project Development	100	400	500				
III-C-1	Title VI Compliance	75	300	375				
III-C-2	Environmental Justice	75	300	375				
III-C-3	Minority Business Enterprise Planning	75	300	375				
III-C-4	Planning for • Elderly	75	300	375				
III-C-6	Public Involvement	200	800	1,000				
III-D	Statewide and Extra-Regional Planning	275	1,100	1,375				
III-E	Management Ops, Program Support Admin	3,074	12,294	15,368				
	<b>TOTALS</b>	<b>11,024</b>	<b>44,094</b>	<b>55,118</b>				

**Burlington Graham MPO**  
**Second Quarter Report, Fiscal Year 2019-2020**  
**October 1, 2019 to December 31, 2019**

**Detail of Expenditures**

TASK #	TASK	MPD Planning and Admin - PL104			Staff Salaries	Professional Services	Supplies, Training, Advertising	Notes
		Local	Federal	Total				
		20%	(80%)					
II-A-1	Networks and Support Systems • Traffic Volume Counts • Vehicle Miles of Travel (VMT) • Street System Changes • Traffic Crashes • Transit System Data • Air Travel, etc.	4,000	16,000	20,000				
II-A-2	Travelers and Behaviour • Dwelling Unit, Population and Employment Changes • Collection of Base Year Data • Travel Surveys • Vehicle Occupancy Rates (Counts) • Travel Time Studies	300	1,200	1,500				
II-A-3	Transportation Modeling • Travel Model Update • Forecast of Data to Horizon Year • Forecast of Future Travel Patterns • Financial Planning	375	1,500	1,875				
II-B-1	Targeted Planning • Air Quality Planning/Conformity Analysis • Alternative Fuels/Vehicles • Hazard Mitigation and Disaster Planning • Congestion Management Strategies • Freight Movement/Mobility Planning	375	1,500	1,875				
II-B-2	Regional Planning • Community Goals and Objectives • Highway Element of the CTP/MTP • Transit Element of the CTP/MTP • Bicycle and Pedestrian Element of CTP/MTP • Airport/Air Travel Element of CTP/MTP • Collector Street Element of CTP/MTP • Rail, Waterway, or other Mode of the CTP/MTP	375	1,500	1,875				
II-B-3	Special Studies Mebane Park and Ride Relocation Study	4,000	16,000	20,000				
III-A-1	Planning Work Program	250	1,000	1,250				
III-A-2	Metrics and Performance Measures	450	1,800	2,250				
III-B-1	Prioritization	600	2,400	3,000				
III-B-2	Metropolitan TIP	150	600	750				
III-B-3	Merger/Project Development	100	400	500				
III-C-1	Title VI Compliance	75	300	375				
III-C-2	Environmental Justice	75	300	375				
III-C-3	Minority Business Enterprise Planning	75	300	375				
III-C-4	Planning for • Elderly	75	300	375				
III-C-6	Public Involvement	200	800	1,000				
III-D	Statewide and Extra-Regional Planning	275	1,100	1,375				
III-E	Management Ops, Program Support Admin	3,074	12,294	15,368				
	<b>TOTALS</b>	14,824	59,294	74,118				

**Burlington Graham MPO**  
**Third Quarter Report, Fiscal Year 2019-2020**  
**January 1, 2020 to March 30, 2020**

**Detail of Expenditures**

TASK #	TASK	MPO Planning and Admin - PL104			Staff	Professional	Supplies, Training,	Notes
		Local	Federal	Total	Salaries	Services	Advertising	
		20%	(80%)		This Period			
II-A-1	Networks and Support Systems • Traffic Volume Counts • Vehicle Miles of Travel (VMT) • Street System Changes • Traffic Crashes • Transit System Data • Air Travel, etc.	4,000	16,000	20,000				
II-A-2	Travelers and Behaviour • Dwelling Unit, Population and Employment Changes • Collection of Base Year Data • Travel Surveys • Vehicle Occupancy Rates (Counts) • Travel Time Studies	300	1,200	1,500				
II-A-3	Transportation Modeling • Travel Model Update • Forecast of Data to Horizon Year • Forecast of Future Travel Patterns • Financial Planning	375	1,500	1,875				
II-B-1	Targeted Planning • Air Quality Planning/Conformity Analysis • Alternative Fuels/Vehicles • Hazard Mitigation and Disaster Planning • Congestion Management Strategies • Freight Movement/Mobility Planning	375	1,500	1,875				
II-B-2	Regional Planning • Community Goals and Objectives • Highway Element of the CTP/MTP • Transit Element of the CTP/MTP • Bicycle and Pedestrian Element of CTP/MTP • Airport/Air Travel Element of CTP/MTP • Collector Street Element of CTP/MTP • Rail, Waterway, or other Mode of the CTP/MTP	375	1,500	1,875				
II-B-3	Special Studies Mebane Park & Ride Lot Relocation	4,000	16,000	20,000				
III-A-1	Planning Work Program	250	1,000	1,250				
III-A-2	Metrics and Performance Measures	450	1,800	2,250				
III-B-1	Prioritization	600	2,400	3,000				
III-B-2	Metropolitan TIP	150	600	750				
III-B-3	Merger/Project Development	100	400	500				
III-C-1	Title VI Compliance	75	300	375				
III-C-2	Environmental Justice	75	300	375				
III-C-3	Minority Business Enterprise Planning	75	300	375				
III-C-4	Planning for • Elderly	75	300	375				
III-C-6	Public Involvement	200	800	1,000				
III-D	Statewide and Extra-Regional Planning	275	1,100	1,375				
III-E	Management Ops, Program Support Admin	3,074	12,294	15,368				
	<b>TOTALS</b>	14,824	59,294	74,118				

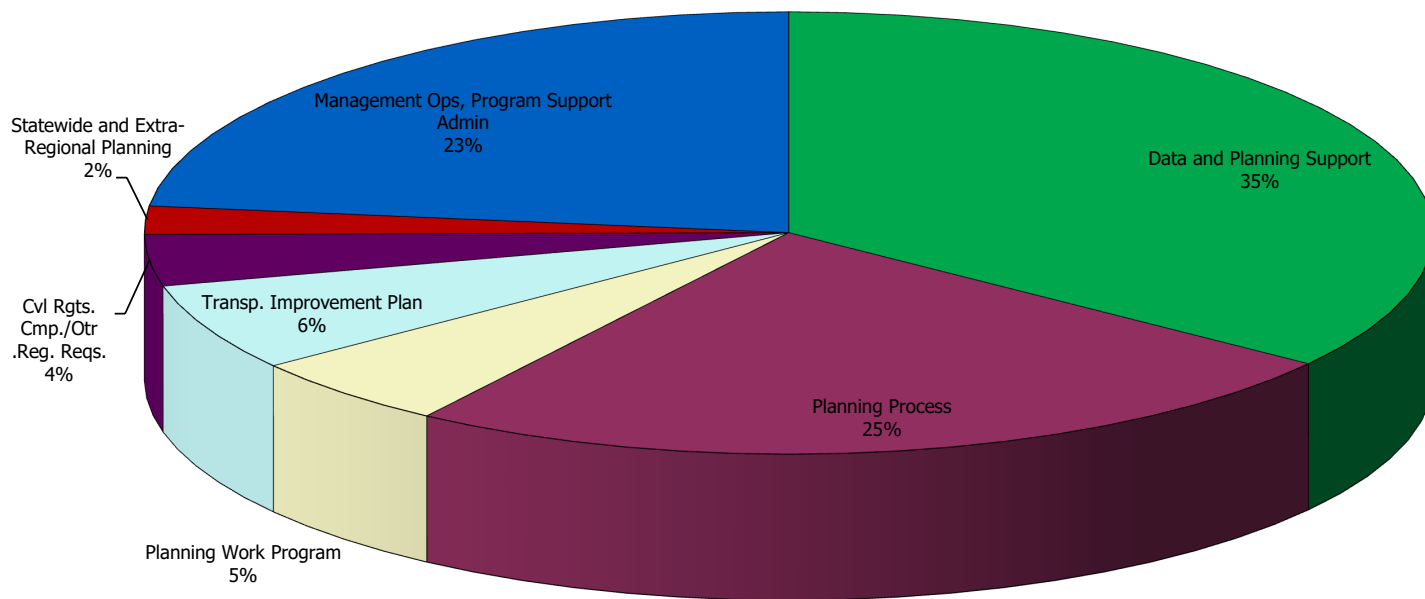
**Burlington Graham MPO**  
**Fourth Quarter Report, Fiscal Year 2019-2020**  
**April 1, 2020 - June 30, 2020**

**Detail of Expenditures**

TASK #	TASK	MPO Planning and Admin - PL104			Staff	Professional	Supplies, Training,	Notes
		Local	Federal	Total	Salaries	Services	Advertising	
		20%	(80%)		This Period			
II-A-1	Networks and Support Systems • Traffic Volume Counts • Vehicle Miles of Travel (VMT) • Street System Changes • Traffic Crashes • Transit System Data • Air Travel, etc.	4,000	16,000	20,000				
II-A-2	Travelers and Behaviour • Dwelling Unit, Population and Employment Changes • Collection of Base Year Data • Travel Surveys • Vehicle Occupancy Rates (Counts) • Travel Time Studies	300	1,200	1,500				
II-A-3	Transportation Modeling • Travel Model Update • Forecast of Data to Horizon Year • Forecast of Future Travel Patterns • Financial Planning	375	1,500	1,875				
II-B-1	Targeted Planning • Air Quality Planning/Conformity Analysis • Alternative Fuels/Vehicles • Hazard Mitigation and Disaster Planning • Congestion Management Strategies • Freight Movement/Mobility Planning	375	1,500	1,875				
II-B-2	Regional Planning • Community Goals and Objectives • Highway Element of the CTP/MTP • Transit Element of the CTP/MTP • Bicycle and Pedestrian Element of CTP/MTP • Airport/Air Travel Element of CTP/MTP • Collector Street Element of CTP/MTP • Rail, Waterway, or other Mode of the CTP/MTP	375	1,500	1,875				
II-B-3	Special Studies Mebane Park and Ride Lot Relocation	2,000	8,000	10,000				
III-A-1	Planning Work Program	250	1,000	1,250				
III-A-2	Metrics and Performance Measures	450	1,800	2,250				
III-B-1	Prioritization	400	1,600	2,000				
III-B-2	Metropolitan TIP	150	600	750				
III-B-3	Merger/Project Development	100	400	500				
III-C-1	Title VI Compliance	75	300	375				
III-C-2	Environmental Justice	75	300	375				
III-C-3	Minority Business Enterprise Planning	75	300	375				
III-C-4	Planning for • Elderly	75	300	375				
III-C-6	Public Involvement	200	800	1,000				
III-D	Statewide and Extra-Regional Planning	275	1,100	1,375				
III-E	Management Ops, Program Support Admin	3,074	12,295	15,369				
	<b>TOTALS</b>	12,624	50,495	63,119				

FTA CODE	TASK CODE	TASK DESCRIPTION	MPO Planning and Admin - PL104			Transit Planning - 5303				SECTION 5307			
			Local 20%	Federal 80%	TOTAL	Local (10%)	State (10%)	Federal (80%)	Fund Total	Local 10	State 10%	FTA 80%	5307 Total
	<b>II-A</b>	<b>Data and Planning Support</b>	\$ 18,700	\$ 74,800	\$ 93,500								
44.24.00	II-A-1	Networks and Support Systems	\$ 16,000	\$ 64,000	\$ 80,000	\$2,500	\$2,500	\$20,000	\$25,000				
44.23.01	II-A-2	Travelers and Behavior	\$ 1,200	\$ 4,800	\$ 6,000								
44.23.02	II-A-3	Transportation Modeling	\$ 1,500	\$ 6,000	\$ 7,500								
	<b>II-B</b>	<b>Planning Process</b>	\$ 13,000	\$ 52,000	\$ 65,000								
44.23.02	II-B-1	Targeted Planning	\$ 1,500	\$ 6,000	\$ 7,500								
44.23.01	II-B-2	Regional Planning	\$ 1,500	\$ 6,000	\$ 7,500								
44.27.00	II-B-3	Special Studies	\$ 10,000	\$ 40,000	\$ 50,000								
		Mebane Park and Ride Relocation Study	\$ 10,000	\$ 40,000	\$ 50,000								
	<b>III-A</b>	<b>Planning Work Program</b>	\$ 2,800	\$ 11,200	\$ 14,000								
44.21.00	III-A-1	Planning Work Program	\$ 1,000	\$ 4,000	\$ 5,000								
44.24.00	III-A-2	Metrics and Performance Measures	\$ 1,800	\$ 7,200	\$ 9,000								
	<b>III-B</b>	<b>Transp. Improvement Plan</b>	\$ 3,400	\$ 13,600	\$ 17,000								
44.25.00	III-B-1	Prioritization	\$ 2,400	\$ 9,600	\$ 12,000								
44.25.00	III-B-2	Metropolitan TIP	\$ 600	\$ 2,400	\$ 3,000								
44.25.00	III-B-3	Merger/Project Development	\$ 400	\$ 1,600	\$ 2,000								
	<b>III-C</b>	<b>Cvl Rgts. Cmp./Otr .Reg. Reqs.</b>	\$ 2,000	\$ 8,000	\$ 10,000								
44.27.00	III-C-1	Title VI Compliance	\$ 300	\$ 1,200	\$ 1,500								
44.27.00	III-C-2	Environmental Justice	\$ 300	\$ 1,200	\$ 1,500								
44.27.00	III-C-3	Minority Business Enterprise Planning	\$ 300	\$ 1,200	\$ 1,500								
44.27.00	III-C-4	Planning for the Elderly	\$ 300	\$ 1,200	\$ 1,500								
44.27.00	III-C-6	Public Involvement	\$ 800	\$ 3,200	\$ 4,000								
	<b>III-D</b>	<b>Statewide &amp; Extra-Regional Planning</b>	\$ 1,100	\$ 4,400	\$ 5,500								
44.27.00	III-D-1	Statewide & Extra-Regional Planning	\$ 1,100	\$ 4,400	\$ 5,500								
	<b>III-E</b>	<b>Management Ops, Program Suppt Admin</b>	\$ 12,295	\$ 49,178	\$ 61,473					\$15,000	\$15,000	\$120,000	\$150,000
44.27.00		Management Operations	\$ 6,295	\$ 25,178	\$ 31,473					\$0	\$0	\$0	\$ -
44.27.00		Program Support Administration	\$ 6,000	\$ 24,000	\$ 30,000					\$15,000	\$15,000	\$120,000	\$150,000
		<b>TOTALS</b>	\$ 53,295	\$ 213,178	\$ 266,473	\$2,500	\$2,500	\$20,000	\$25,000	\$15,000	\$15,000	\$120,000	\$150,000

# BGMPO FY20 PWP BREAKDOWN



## **Appendix 1. Explanation of Funding Sources in the UPWP**

### **Overview**

There are four major funding sources that make up the UPWP. All four of these sources come from the federal government and involve either local or state matching funds. The disbursement of all the funds is managed by the North Carolina Department of Transportation. All three of the funding sources are displayed in the UPWP that is approved by the Burlington Graham MPO.

### **Metropolitan Planning Funds**

Commonly known as "PL" (short for Public Law) funds, these funds are the primary source of funding for MPO Planning and Administration. The MPO Lead Planning Agency and MPO staff administer the funds. The Federal Highway Administration provides 80% of the funding, and City of Burlington provides the 20% local match. In some cases, funds are sub-allocated to other agencies to perform special studies. This is not a grant program, but rather a reimbursement program. In other words, valid expenditures for transportation planning are reimbursed at a rate of 80%. The MPO Staff submits quarterly invoices to the NCDOT for reimbursement.

The MPO uses the PL funds to carry out tasks identified in the Planning Work Program. Some of the funds are used to pay staff salaries for time spent on transportation planning activities and for administration of the MPO. Some of the funds are used to pay outside consultants for special planning studies. All planning activities and special studies conducted during the year must be a part of the approved Planning Work Program. Occasionally funds are reimbursed to other local agencies that complete tasks identified in the PWP.

### **State Planning and Research (SPR) Funds**

Known as SPR funds, these funds are administered by the North Carolina Department of Transportation, Transportation Planning Branch. The funds are primarily used to pay NCDOT staff salaries for time spent on transportation planning for the Burlington Graham area. The Federal Highway Administration provides 80% of the funds, and the State of North Carolina provides the remaining 20%. These are not shown as part of the UPWP.

### **Section 5303 Funds**

These are funds from the Federal Transit Administration (FTA) that are designated exclusively for transit planning. The funds are currently administered by the City of Burlington. The funds are primarily used to pay staff salaries for time spent on transit planning. The FTA provides 80% of the funds. The state provides 10% and the City of Burlington provides 10%.

### **Section 5307 Funds**

These are funds from the Federal Transit Administration (FTA) that are designated exclusively for transit planning. The funds are currently administered by the City of Burlington. The funds are primarily used to pay staff salaries for time spent on transit planning. The FTA provides 80% of the funds. The state provides 10% and the City of Burlington provides 10%.



## Endorsement of Targets for Safety Performance Measures Established By NCDOT

WHEREAS, the Burlington – Graham Metropolitan Planning Organization (BGMPO) has been designated by the Governor of the State of North Carolina as the Metropolitan Planning Organization (MPO) responsible, together with the State, for the comprehensive, continuing, and cooperative transportation planning process for the MPO’s metropolitan planning area; and,

WHEREAS, the Highway Safety Improvement Program (HSIP) final rule (23 CFR Part 490) requires States to set targets for five safety performance measures annually, by August 31; and,

WHEREAS, the North Carolina Department of Transportation (NCDOT) has established targets for five performance measures based on five year rolling averages for: (1) Number of Fatalities, (2) Rate of Fatalities per 100 million Vehicle Miles Traveled (VMT), (3) Number of Serious Injuries, (4) Rate of Serious Injuries per 100 million VMT, and (5) Number of Non-Motorized (bicycle and pedestrian) Fatalities and Non-motorized Serious Injuries; and,

WHEREAS, the NCDOT coordinated the establishment of safety targets with the 19 Metropolitan Planning Organizations (MPOs) in North Carolina continually through outreach conducted by NCDOT’s Mobility and Safety Group; and,

WHEREAS, the NCDOT officially establishes and reports the safety targets in the Highway Safety Improvement Program annual report by August 31, of each year; and,

WHEREAS, the MPO’s may establish safety targets by agreeing to plan and program projects that contribute toward the accomplishment of the State’s targets for each measure or establish its own target within 180 days of the State establishing and reporting its safety targets in the HSIP annual report.

NOW THEREFORE, BE IT RESOLVED, that the BGMPO agrees to plan and program projects that contribute toward the accomplishment of the State’s targets as *noted below for each of the aforementioned performance measures:*

1. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce total fatalities by 6.23 percent each year from 1,396.4 (2014-2018 average) to 1,227.8 (2016-2020 average) by December 31, 2020.
2. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce the fatality rate by 5.39 percent each year from 1.211 (2014-2018 average) to 1.084 (2016-2020 average) by December 31, 2020.
3. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce total serious injuries by 8.54 percent each year from 3,362.6 (2014-2018 average) to 2,812.8 (2016-2020 average) by December 31, 2020.
4. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce the serious injury rate by 7.64 percent each year from 2.886 (2014-2018 average) to 2.462 (2016-2020 average) by December 31, 2020.
5. For the 2020 Highway Safety Improvement Plan (HSIP), the goal is to reduce the total nonmotorized fatalities and serious injuries by 7.13 percent each year from 494.6 (2014-2018 average) to 426.6 (2016-2020 average) by December 31, 2020.

Now therefore, be it further resolved, that by approval of this resolution an amendment is hereby made to the 2040 MTP adopted on August 18, 2015 by the Burlington – Graham MPO.

Date: \_\_\_\_\_

By: \_\_\_\_\_

TAC Chair

STATE of: North Carolina

COUNTY of: Alamance

I \_\_\_\_\_, Notary Public of \_\_\_\_\_ County, North Carolina do hereby certify that \_\_\_\_\_ personally appeared before me on the \_\_\_\_\_ day of \_\_\_\_\_ to affix his signature to the foregoing document.

\_\_\_\_\_

My Commission Expires: \_\_\_\_\_

Notary Public

My commission expires \_\_\_\_\_



**NCDOT PROJECTS LOCATED IN BGUMPO - UNDER DEVELOPMENT**

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
SS-4907BQ 44757.1.1 44757.2.1 44757.3.1	Intersection improvements (All Way Stop) at SR 1005 (Greensboro-Chapel Hill Road) at SR 2369 (Sylvan School Road) and SR 2371 (Pleasant Hill Road) in <b>Snow Camp</b> .	8/15/17	Jun. 2020	\$22,500 R/W \$153,000 CON	4-way stop installation and flasher completed 4/17/18, utility relocations complete, construction delayed to Apr. 2020	Derek Dixon
48172	Planning and design of SR 1446 (Rockwood Ave.) from existing end of maintenance to NC87 in <b>Glen Raven</b> . Develop roadway, hydraulic and ROW plans	9/6/18	TBD	\$500,000	Planning activities underway, Express design has been requested (Feasibility Unit)	Tamara Njegovan Stephen Robinson
SS-4907CK 48306.1.1 48306.3.1	Install all-way (4-way) stop at intersection of NC 62 at SR 2029/SR 2030 (Old NC 49). Upgrade existing overhead flasher to flash all-red on all intersection approaches.	7/11/19	Apr. 2020	\$110,000	No re-alignment, signs and flashers only, construction schedule pending, waiting on materials	Dawn McPherson
I-5711 50401.2.1 50401.3.1	Interchange improvements at I-40/I-85 and SR 1007 (Mebane Oaks Rd) in <b>Mebane</b>	3/17/20	FY2022	\$17,446,000	Final design activities underway, ROW acquisition underway - 40% complete	Laura Sutton
47786 SM-5707B 47903.2.1	Intersection improvements on SR 1007 (Mebane Oaks Rd) at SR 2126/2128 (Old Hillsborough Rd) south of <b>Mebane</b> . Improvements include addition of left and right turn lanes, radii widening, signal installation, resurfacing, and pavement markings.	Apr. 2020	Jun. 2020	\$898,500	Design complete, ROW acquisition underway - 100% complete with right of entry, Utility relocation pending ROW acquisition	Chad Reimakoski Derek Dixon
SS-6007A 48886.1.1 48886.3.1	All-Way Stop installation with overhead flashers, and rumble strips installation at NC 49 and SR 1005 (West Greensboro Chapel Hill Road).	Jun. 2020	Oct. 2020	\$61,200	Funds approved 9/5/19.	Dawn Mcpherson

## NCDOT PROJECTS LOCATED IN BGUMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
SM-5707D 48585.1.1 48585.3.1	Intersection improvements at NC 100 (University Drive) at SR 1301 (Shallowford Church Road/Williamson Avenue) in <b>Elon</b> . Construct right turn lane on SR 1301 (Shallowford Church Road) at NC 100 with 150 feet full storage and 100' taper.	Dec. 2020	Mar. 2021	\$68,000	Funds approved 3/7/19 and released 3/12/19, Planning and design activities underway	Chad Reimakoski Derek Dixon
48798	Installation of crosswalks and pedestrian signals and update curb ramps at the intersection of US 70 (South Church Street) and Edgewood Avenue (non-system).	Dec. 2020	Mar. 2021	\$150,394	Funds approved and released 6/6/19, Planning and design activities underway	Dawn McPherson Derek Dixon
W-5707D 44853.1.4 44853.2.4 44853.3.4	Safety improvements for curve on NC 49 located between Buckingham Mountain Road (non-system) and SR 2363 (Beale Road) in <b>Snow Camp</b> .	6/17/21	Mar. 2022	\$200,000 R/W \$450,000 CON	Planning and design activities underway, Revising ROW plans	Chad Reimakoski
U-6010 47145.1.1 47145.2.1 47145.3.1	Intersection improvements at US 70 (South Church Street) and SR 1226/SR 1311 (University Drive) in <b>Burlington</b>	4/20/21	FY2023	\$5,200,000	Planning and design activities underway, ROW acquisition underway	Brian Ketner
U-6017 47162.1.1 47162.2.1 47162.3.1	Intersection improvements at NC 54 (East Harden St.) and NC 49 (East Elm St.) in <b>Graham</b>	4/20/21	FY2023	\$1,216,000	Planning and design activities underway - <b>Exeuctive Hold</b>	Chad Reimakoski
U-6013 47158.1.4 47158.2.4 47158.3.4	Widen NC 119 to multi-lanes from SR 1981 (Trollingwood-Hawfields Rd)/ SR 2126 (Old Hillsborough Rd) to Lowes Blvd (non-system) in <b>Mebane</b> .	7/19/22	FY 2024	\$8,700,000	Planning and design activities underway - <b>Exeuctive Hold</b>	Chris Smitherman
U-6014 47159.1.1 47159.2.1 47159.3.1	Widen SR 1716 (Graham-Hopedale Rd) to multi-lanes with Bicycle/Pedestrian accommodations from SR 1720 (West Hanover Rd) to Morningside Drive in <b>Burlington</b>	7/19/22	FY 2024	\$15,200,000	Planning and design activities underway - <b>Exeuctive Hold</b>	Chad Reimakoski

## NCDOT PROJECTS LOCATED IN BGUMPO - UNDER DEVELOPMENT

TIP/WBS #	Description	Let/Start Date	Completion Date	Cost	Status	Project Lead
U-6011 47146.1.1 47146.2.1 47146.3.1	Intersection improvements at US 70 (South Church Street) and SR 1158 (Huffman Mill Rd) in <b>Burlington</b>	8/15/23	FY2026	\$1,300,000	Planning and design activities underway - <b>Executive Hold</b>	Brian Ketner
U-5844 50234.1.1 50234.2.1 50234.3.1	Construct multi-lanes on NC62 from SR 1430 (Ramada Road) to US 70 (South Church Street) in <b>Burlington</b>	11/21/23	FY2026	\$10,900,000	Planning and design activities underway - <b>Executive Hold</b>	Chad Reimakoski
U-6009 47144.1.1 47144.2.1 47144.3.1	Widen and construct center turn lane on US70 (West Church St) from Tarleton Ave. to Fifth Street in <b>Burlington</b>	6/18/24	FY2026	\$11,319,000	Planning and design activities underway - <b>Executive Hold</b>	Chad Reimakoski
B-6052 48709.1.1 48709.2.1 48709.3.1	Replace bridge 68 over NCRR / Norfolk Southern Railroad on SR 1928 (Trollingwood Road) in <b>Haw River</b>	1/20/26	FY2027	\$3,000,000	PE funding approved 6/6/19 - <b>Executive Hold</b>	Kevin Fischer
I-6009 47962.1.1 47962.2.1 47962.3.1	Interchange improvements at I-40/I-85 and SR 1158 (Huffman Mill Road). Construct additional right turn lane on I-40 WB Ramp and improve operations at SR 1308 (Garden Road) intersection in <b>Burlington</b>	6/18/26	FY2027	\$1,936,000	PE funding approved 6/5/18,- <b>Executive Hold</b> , Project created per 2020-2029 STIP	Brian Ketner
I-6059 48689.1.1 48689.2.1 48689.3.1	Interchange improvements at I-40/I-85 and SR 1981 (Trollingwood-Hawfields Road) in <b>Mebane</b>	3/21/28	FY2030	\$12,400,000	PE funding scheduled for 12/16/23 - <b>Executive Hold</b> , Project created per 2020-2029 STIP	Laura Sutton

**Executive Hold - NCDOT has temporary suspended some projects due to budget/cash flow restrictions.**

## North Carolina Department of Transportation

## Active Projects Under Construction - Alamance Co.

Contract Number	TIP Number	Location Description	Contractor Name	Resident Engineer	Contract Bid Amount	Availability Date	Completion Date	Work Start Date	Estimated Completion Date	Progress Schedule Percent	Completion Percent
C203676	B-5239	REPLACE BRIDGE #126 OVER MILL RACE AND BRIDGE #119 OVER HAW RIVER ON NC-87.	DANE CONSTRUCTION INC	Howell, Bobby J	\$4,786,122.27	3/15/2018	3/29/2020	3/15/2018	10/10/2020	51.16	56.16
C203782	I-5309 I-5836	PAVEMENT REHAB. ON I-40/I-85 FROM EAST OF THE GUILFORD COUNTY LINE TO 0.2 MILES EAST OF NC-54 IN GRAHAM.	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Howell, Bobby J	\$11,966,430.84	4/25/2016	11/30/2017	7/5/2016	7/1/2019	100.00	99.07
C203844	U-3109A	NC-119 RELOCATION FROM I-40/85 TO SR-1921 (MEBANE ROGERS RD/ STAGE COACH RD).	THALLE CONSTRUCTION CO., INC.	Howell, Bobby J	\$45,389,069.36	6/26/2017	1/28/2021	8/3/2017	7/23/2021	72.50	53.71
C203984	B-5347	REPLACE BRIDGE #170 OVER A PRONG OF BIG ALAMANCE CREEK ON SR-1145 (POND RD).	MOUNTAIN CREEK CONTRACTORS INC	Howell, Bobby J	\$1,182,371.52	3/15/2018	3/9/2019	4/16/2018	4/25/2019	100.00	90.65
C204025	I-5954	PAVEMENT REHAB. ON I-40/I-85 FROM EAST OF NC-54 IN GRAHAM IN ALAMANCE COUNTY TO WEST OF SR-1114 (BUCKHORN RD) IN ORANGE COUNTY.	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Howell, Bobby J	\$9,699,053.68	4/1/2018	6/29/2019	4/29/2019	10/11/2019	100.00	95.11
C204026	I-5956	PAVEMENT REHAB. ON I-40/I-85 FROM EAST OF SR-3056 (ROCK CREEK DAIRY RD) TO WEST OF SR-1226 (UNIVERSITY DR).	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Ingram, PE, J. Paul	\$4,067,357.08	8/28/2017	7/1/2018	4/30/2018	8/31/2019	100.00	98.42
C204106	U-3109B	NC-119 RELOCATION NORTH OF SR-1921 (MEBANE ROGERS RD) TO SOUTH OF SR-1918 (MRS WHITE RD).	THALLE CONSTRUCTION CO., INC.	Howell, Bobby J	\$8,151,660.80	8/27/2018	11/28/2020	10/4/2018	11/28/2020	62.10	23.68
C204111	U-6015	BURLINGTON - GRAHAM SIGNAL SYSTEM.	ALS OF NORTH CAROLINA LLC	Howell, Bobby J	\$7,938,392.20	10/29/2018	8/15/2021	2/11/2019	8/15/2021	21.00	16.21
DG00392		RESURFACE 26 SECONDARY ROADS IN ALAMANCE AND 1 SECONDARY ROAD IN GUILFORD COUNTY SR 3349	RILEY PAVING INC	Howell, Bobby J	\$1,059,904.41	4/2/2018	10/12/2018	8/2/2018	12/15/2018	100.00	65.12
DG00393		RESURFACE SR 1101, SR 1118, SR 1119, SR 1124, SR 1125, SR 1127,SR 1128 SR 1130, SR 1134, SR 1135, SR 1137, SR 1141, SR 1143, ETC.	RILEY PAVING INC	Howell, Bobby J	\$1,084,520.40	4/2/2018	10/12/2018	6/18/2018	12/7/2018	100.00	99.97
DG00426		RESURFACE A PORTION OF NC 87 AND PORTIONS OF 3 SECONDARY ROADS	RILEY PAVING INC	Howell, Bobby J	\$3,463,032.95	7/9/2018	11/1/2019				
DG00431		RETREAT 29 SECONDARY ROADS IN ALAMANCE CO.	WHITEHURST PAVING CO INC	Howell, Bobby J	\$868,412.06	4/1/2019	10/12/2019	2/18/2019			
DG00432		RESURFACE A PORTION OF US 70 AND 6 SECONDARY ROADS IN ALAMANCE COUNTY AND A PORTION OF 1 SR IN GUILFORD CO.	RILEY PAVING INC	Howell, Bobby J	\$1,878,598.12	7/9/2018	11/1/2019	3/29/2019	11/1/2019	90.00	30.07
DG00441		DECK OVERLAYS W/LATEX MODIFIED CONCRETE - VERY EARLY STR BRDG JNT REPL ON BRIDGE #71-ALAMANCE AND # 90,#195,#261 - GUILFORD	EXTREME CONCRETE CUTTING OF GAFFNEY LLC	Howell, Bobby J	\$1,248,556.25	6/4/2018	9/24/2018	8/8/2018	12/22/2018	100.00	94.13
DG00445	R-5787BB W-5707A	INSTALLATION OF ADA COMPLIANT CURB RAMPS AT VARIOUS INTERSECTIONS	LITTLE MOUNTAIN BUILDERS OF CATAWBA COUNTY INC	Howell, Bobby J	\$319,319.80	6/25/2018	2/15/2020	8/6/2018	2/15/2020	100.00	92.94
DG00457		INTERSECTION IMPROVEMENTS AT US 70 (CHURCH STREET) AND SR 1301 (ST. MARKS CHURCH ROAD)	SHARPE BROTHERS A DIVISION OF VECELLIO & GROGAN INC	Howell, Bobby J	\$1,790,372.74	9/4/2018	3/31/2020	10/23/2018	3/31/2020	56.00	68.20

## North Carolina Department of Transportation

## Active Projects Under Construction - Alamance Co.

Contract Number	TIP Number	Location Description	Contractor Name	Resident Engineer	Contract Bid Amount	Availability Date	Completion Date	Work Start Date	Estimated Completion Date	Progress Schedule Percent	Completion Percent
DG00473	U-5843	INTERSECTION IMPROVEMENTS AT US 70 (CHURCH ST.) AND SR 1716 (GRAHAM-HOPEDALE RD)	P & S GRADING LLC	Howell, Bobby J	\$2,495,284.62	4/1/2019	4/1/2020	3/19/2019	4/1/2020	95.00	24.46
DG00477		RESURFACE US 70 (CHURCH ST.) FROM 5TH ST TO 380' W OF SR 1928 (JIMMY KERR RD.), US 70WB (FISHER ST.)FROM BEG OF SPLIT TO END OF SPLIT	RILEY PAVING INC	Robinson, Stephen J	\$3,614,442.95	7/8/2019	10/30/2020	7/29/2019	10/30/2020	25.00	29.20
DG00479		MILL AND RESURFACE A PORTION OF NC 54 AND PORTIONS OF 9 SECONDARY ROADS	APAC - ATLANTIC INC THOMPSON ARTHUR DIVISION	Robinson, Stephen J	\$2,142,415.27	6/17/2019	10/30/2020	6/26/2019	10/30/2020	22.00	21.58
DG00487	W-5707L	INSTALLATION OF 4" THERMOPLASTIC PAVEMENT MARKING LINES ON VARIOUS SECONDARY ROADS DIVISION WIDE	TRP CONSTRUCTION GROUP LLC	Snell, PE, William H	\$839,863.60	6/1/2019	9/28/2019	7/22/2019	9/28/2019	95.00	77.73



Piedmont Authority  
for **Regional** Transportation

# What's Happening at PART

## Updates for January 2020

### PART Express Route Adjustments January 2020

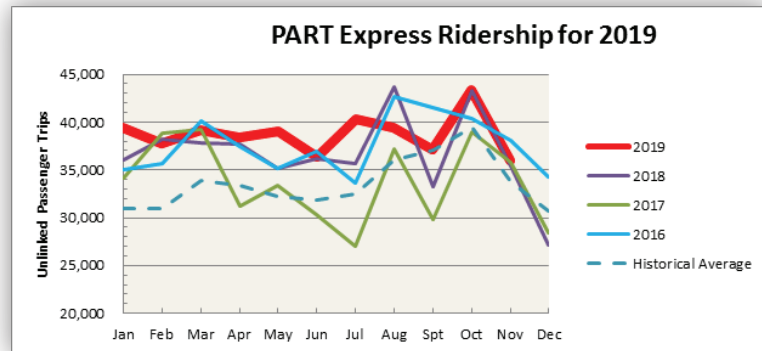
Here at PART we continuously review routes and passenger requests to see how we can make improvements to the system and a few times per year we will make adjustments. While we do fully consider and analyze every request, not all requests can be accommodated due to operational and cost considerations.

The new stops/schedules  
will be implemented  
Monday, January 6,  
2020.



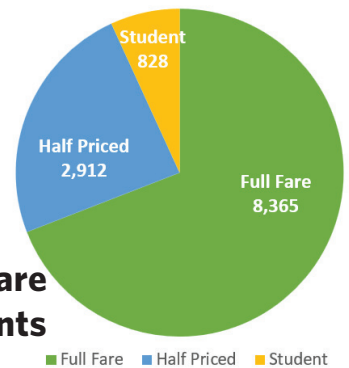
Routes affected are 6, 10, 17, and 28.

See details at [www.partnc.org/refresh](http://www.partnc.org/refresh).

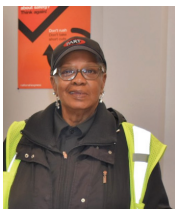


**November PART Express  
Ridership totaled 36,012**

**TouchPass Users**  
891 TouchPass  
Smartcard Users  
1,257 TouchPass  
Mobile App Users



**TouchPass Fare  
Payments**



### PART Express Operator of the Month

Congratulations to the Ms. Jane Robinson who was named Operator of the Month for National Express and PART. Thank you for all you do Ms. Jane!



### In The Region

- Davidson County Transportation Featured on Fox 8 News for Ridership Increase
- Business 40 Could Possibly Open by April

## STAY CONNECTED

[www.PARTNC.org](http://www.PARTNC.org)  
336.883.7278  
[contactus@partnc.org](mailto:contactus@partnc.org)



TransLoc® Bus Tracking App

## Updates for January 2020

### PART Receives Federal Grant

PART was included in the Federal announcement by US Transportation Secretary Elaine L. Chao as a recipient of the 2019 Bus and Bus Facility Grant Program. \$6.8 Million was awarded to assist in bus replacement and expansion needs over the next few years.



The Federal Transit Administration (FTA) will award \$423 million in transit infrastructure grants nationwide to improve the safety and reliability of America's bus systems and enhance mobility for transit riders.

*"Public bus systems throughout the country provide millions of Americans access to jobs, healthcare, grocery stores, and other vital services," said US Transportation Secretary Elaine L. Chao.*

In North Carolina, three projects will receive a total of \$24.5 million, including \$17.3 million to the North Carolina Department of Transportation to help several rural transit systems replace vehicles and construct public transportation facilities throughout the state; as well as \$6.8 million to PART and \$480,000 to the City of Salisbury to purchase new vehicles to replace those that have exceeded their useful life.

## Offering Exclusive Discounts with XPass

Between tight deadlines, long hours and heavy workloads, we know there are a lot of stressors in the average worker's daily life. At PART, we don't think commuting to and from the office should be one of them. We want to give employers the resources they need to help make that a possibility for their hardworking employees. So, we created our XPass Employer Discount Program to help achieve both of these goals.

Find out more at [www.partnc.org/whathappening](http://www.partnc.org/whathappening)



Centric Brands recently relocated to Downtown Greensboro and has signed up for the XPass Program. They are excited to offer this added benefits to employees and allow them to get 30% discount on PART bus passes. PART staff will be on site at Centric Brands on Jan 14th 11am-1pm.



# Updates for January 2020

Happy New Year from all of us  
at the PART Office!

www.partnc.org/staff

Brooke, Dianna, David, Scott, Charrie, Emma, Kyle, Mark, John, Supriya, Jimmy, Yu Chang, Abby, Miguel, H, Sabrina, Mack, K.B., Alia, Connie, Jimmy



www.PARTnc.org 336.883.7278	PART Express Bus & Shuttle Routes	Route 5 NC Amtrak Connector	Piedmont Transit Resources Call Center	PART Admin. Office
<b>New Years Day</b> Wednesday, Jan. 1	-	●	-	-
<b>MLK Jr. Day</b> Monday, Jan. 20	●	●	●	-
<b>Good Friday</b> Friday, April 10	-	●	-	-
<b>Memorial Day</b> Monday, May 25	-	●	-	-
<b>Independence Day (Observed)</b> Friday, July 3	●	●	●	-
<b>Independence Day</b> Saturday, July 4	-	●	-	-
<b>Labor Day</b> Monday, Sept. 7	-	●	-	-
<b>Veterans Day</b> Wednesday, Nov. 11 (ED Designated Holiday)	●	●	●	-
<b>Thanksgiving</b> Thursday, Nov. 26	-	●	-	-
<b>(Day After) Thanksgiving</b> Friday, Nov. 27	●	●	●	-
<b>Christmas Eve</b> Thursday, Dec. 24	●	●	●	-
<b>Christmas Day</b> Friday, Dec. 25	-	●	-	-

● Indicates Regular or Adjusted Schedules  
- Indicates Service is Closed

## NO MORE MAGSTRIPE PAPER PASSES USE BY END OF 2019



STARTING JANUARY 2020  
**PART WILL NO LONGER  
ACCEPT 31-DAY, 10-RIDE,  
OR REGIONAL FARE CARDS  
THAT ARE PAPER PASSES.**  
NO REFUNDS.

Download the TouchPass App or visit the CTC to get a  
TouchPass Smartcard to purchase passes, use stored value,  
and save money using PART Rewards.

www.PARTnc.org

336-883-7278



## NC Moves Survey - Give Your Input

- The North Carolina Department of Transportation wants to build a transportation system people want, need and will use. So, what is it that you want? Now is the time to speak up. Participate in a short survey and share what's important to you.

www.publicinput.com/ncmoves #NCMOVES

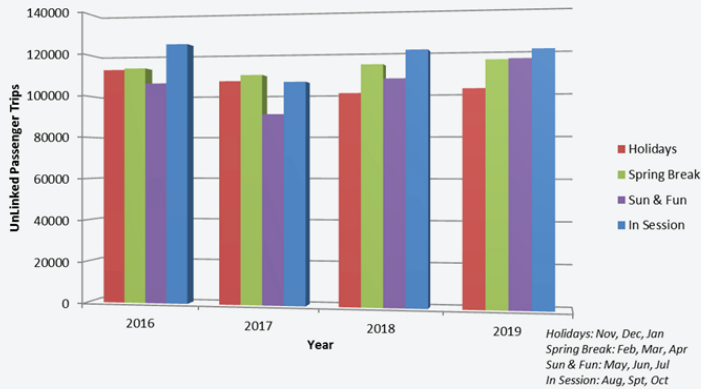




# Updates for January 2020

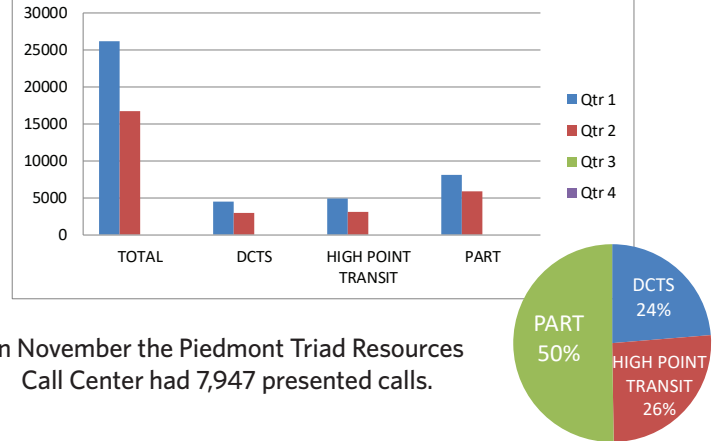
## PART Express Data

PART Express Ridership by the Season



## Piedmont Transit Resources Call Center

Quarterly Call Volume



In November the Piedmont Triad Resources Call Center had 7,947 presented calls.

# FEATURED ROUTE OF THE MONTH - ROUTE 17

**Route 17 Kernersville Express** is classified as a urban commuter express route that connects Kernersville to Winston-Salem and Greensboro providing service to Coble Transportation Center (CTC), FedEx Ground, Kernersville Medical Center, Kernersville VA Health Care Center, Kernersville Town Hall, WF Baptist Medical Center, Forsyth Medical Center, and Winston-Salem Transportation Center. The Route has been very successful over the past year with growth from the Business 40 Program and increased service. Kernersville continues to add new employment areas and now the Amazon facility will be opening soon, PART plans to service this location. Visit [www.partnc.org/route17](http://www.partnc.org/route17) for more info.

Route 17 Kernersville Express Growth During Business 40

	Total Ridership	Service Days	Avg. Daily Ridership	SOV Pass. Miles Reduced
Nov '18	521	21	24.8	5,653
Dec '18	391	18	21.7	4,739
Jan '19	654	22	30	5,307
Feb '19	524	20	26	5,020
Mar '19	632	21	30	5,099
Apr '19	552	21	26	3,158
May '19	1,330	22	60	12,130
Jun '19	1,249	20	62	10,556
Jul '19	1,267	22	58	10,837
Aug '19	1,465	22	67	12,486
Sept '19	1,281	20	64	10,835
Oct '19	1,545	23	67	12,122
Nov '19	1,200	20	60	10,134

**Miles Round Trip** - 53

**# of Stops** - 20

**Travel Time (One Way)** - 1 hour 3 mins

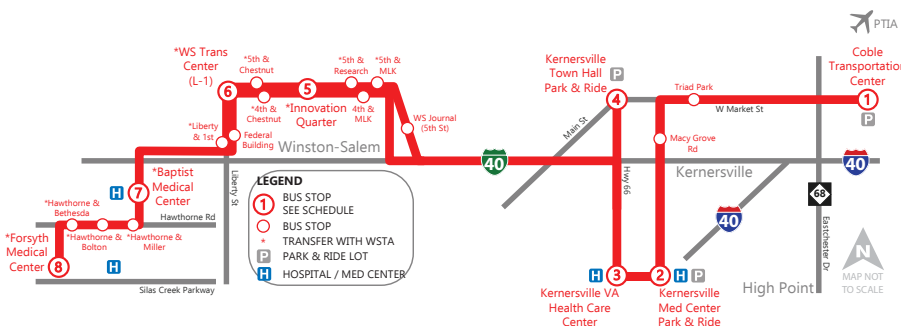
**Transit Connections** - WSTA, Greyhound, Baptist Shuttle, WFU Downtown Shuttle, Trans Aid, WSSU Rams Shuttle

**Connecting Communities**

Kernersville, Greensboro, Winston-Salem



**In January The Kernersville Town Hall stop will be moved to the stop sign next to the Farmers Market shelter to allow passengers to use the shelter during inclement weather.**



Kernersville Express Ridership

